

SO THAT EVERYTHING  
IS PERFECT INSIDE THE EAR.

egger

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**Dear Customer** – Quality demands in the hearing aid acoustician sector are high. Today's customers would like a comprehensive, personal advising, a wide selection, the best material, precise workmanship. egger Otoplastik + Labortechnik does everything in its power to help you present an attractive offer to your customer. Over the years, egger has developed and improved laboratory devices, manufacturing techniques, materials, a variety of earmolds, hearing protection and much more. Innovations such as Rapid Manufacturing or the increasingly requested possibilities of professional hearing protection are listed in this catalog along with the full-range offers in the standard otoplastic sector or a wide spectrum of care products and premium hearing aid batteries. In addition, you will find numerous marketing instruments that will help make your business successful. We want you to always be able to offer the right solution to your customer. This catalog will help you do just that. Everything more we will take care of personally. Contact us. We are here for you. egger Otoplastik + Labortechnik. **About Us** • Bavaria is our home. We have been on the forefront for many decades of innovative technology and creative design in all aspects pertaining to otoplastics. In our laboratories and manufacturing areas at our location in the Allgaeu in Southern Bavaria, we develop professional solutions for acousticians. Our range includes everything from individual earmold manufacturing to a wide selection of care systems or hearing protection. • The world is our stage. We work for customers in more than 90 countries the world over. In Europe, in North and South America, in Asia, in Africa, in Australia and in the Mid East. Our goal is to offer our customers the possibilities, so they are able to work in all areas according to the latest standards. We want to give you what you need, so that you as a hearing aid acoustician can offer exactly what your customers are looking for – competently and comprehensively. • Your success is our success. We will help you succeed. Directly, personally, individually. You can count on our products, our service. Every time. Because you are the ones that matter. So that everything is perfect inside the ear.

egger

## Our Trademarks

**So that everything is perfect inside the ear.** Therefore egger has made its marks: with egger trademarks. As an expression of good experience, credibility, reliability and innovation.



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The fresh-colored cedis logo demands "Yes to Hygiene and Care for everydayHEARING!" Ideally, with the cleaning, function- and value-retaining cedis brand products by egger.



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You can rely on the comprehensive, professional disinfection and hygiene program with this cedis logo: on the hands and on the skin, earmolds and instruments, tools and surfaces.



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Where this cedis logo is on the outside, premium hearing aid batteries are found inside. "Quality Made in Germany", from the largest and most modern production site worldwide.



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With epro hearing protection, noise does not stand a chance. Regardless of whether at the workplace, during your leisure time or at night: the epro brand stands for safe, certified and always individually fitted hearing protection.



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Under the evolupt brand, egger distributes state-of-the-art 3D printers for the production of earmolds, cast molds and ITE shells: for every production quantity. For every budget.

# Earmolds

The right kind for everyone: The wide selection of today's earmolds offers an individual solution for every customer. An earmold is a one of a kind. It is the decisive link between the human ear and hearing technology. Technical precision in combination with modern manufacturing technology generate the exact fit. Made to fit the uniqueness of man.



# Earmolds

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# Rapid Manufacturing

The direct route to earmold manufacturing. With Rapid Manufacturing a highly precise scan offers perfect data of the ear impression. Then 3D-Modeling makes it possible to generate a customer-specific fitting with regard to functionality, retention and cosmetic design. The result is a custom-fit earmold that can be reproduced again and again. High-quality materials guarantee complete biocompatibility.



## Advantages:



### 1. Scan:

The data makes exact reproduction of any number of earmolds possible, fast order transfer.



### 2. Modeling:

Computer technology permits incorporating individual and functional specifications.



### 3. Print:

The manufacturing process guarantees highest quality – every time.

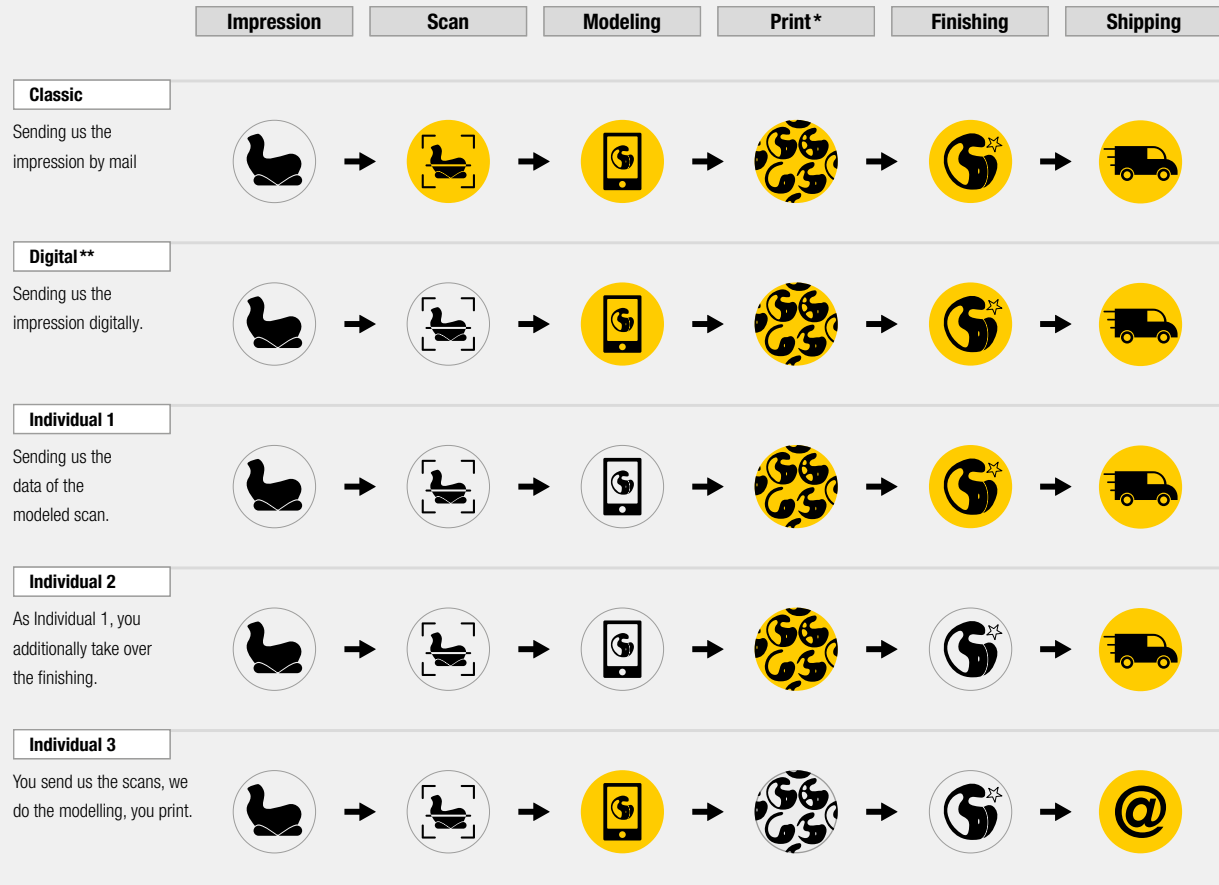


### 4. Finishing:

The earmold is adjusted manually and is completely biocompatible.



# Possible Routes, One Goal:



\*\*Please use our "interactive ordering system" online at: <https://earmoldorder.egger.online>.



Processed by egger



Processed by customer

\*Production via Rapid Manufacturing.

# Earmold Materials

|   |   |  |
|---|---|--|
| <b>V</b> Vision – hard <ul style="list-style-type: none"><li>• especially tissue-compatible</li><li>• stable at UVA light</li><li>• hard</li></ul> <b>Colors:</b><br>rose-transparent, transparent, red, blue, neon-yellow  | <b>S-40</b> Silicone 40 shore – very soft <ul style="list-style-type: none"><li>• elastic (rubber-like), very high tensile strength, non-skid material</li><li>• two-component, cold-curing silicone, 40 shore</li></ul> <b>Colors:</b><br>pink-transparent, transparent,<br>Color Collection / Colored Silicone Earmolds | <b>H<sub>2</sub>O</b> – for splash protection – very soft <ul style="list-style-type: none"><li>• floatable</li><li>• addition-vulcanizing, super-soft silicone with a degree of hardness of 35 shore</li></ul> <b>Colors:</b><br>Color Collection / Colored Silicone Earmolds   |
| <b>S-25</b> Silicone 25 shore – extremely soft <ul style="list-style-type: none"><li>• super-soft material structure, 25 shore</li><li>• high tensile strength, permanent elasticity, non-skid material</li><li>• two-component, cold-curing silicone, 25 shore</li></ul> <b>Colors:</b><br>pink-transparent, transparent | <b>S-60</b> Silicone 60 shore – soft <ul style="list-style-type: none"><li>• tenacious, but elastic, very high tensile strength, non-skid material</li><li>• two-component, cold-curing silicone, 60 shore</li></ul> <b>Colors:</b><br>pink-transparent, transparent,<br>Color Collection / Colored Silicone Earmolds     | <b>TC</b> THERMOTec® – thermal flexible <ul style="list-style-type: none"><li>• especially kind to the skin</li><li>• good transfer of humidity</li><li>• flexible at body temperature, hard at ambient temperature</li><li>• permanent elasticity and trouble-free application</li><li>• polyurethane base</li></ul> <b>Colors:</b><br>pink-transparent, red, blue, yellow, green, black<br><br>Patent under No. P4107284 |

All used materials are subject to regular quality checks.

## Allergy Problems?

egger materials for earmolds are tested and biocompatible. Only skin friendly materials are used. In exceptional cases surface coating and special materials can help.

### Titanium Earmold\*

Antiallergic metal earmold produced from an existing Vision earmold using the Selective Laser Sintering (SLS) technique. It is necessary to wear the Vision earmold beforehand as it is not possible to rework the titanium material.

#### Advantages:

- antiallergic, biocompatible material which is used in implantation technology
- highest degree of skin and body compatibility
- pureness of metal
- so far no incompatibility known
- precious metal
- absolutely no plastic components
- low metal weight
- extremely long durability
- robust and insensitive



\*Note: It is necessary to manufacture a test earmold beforehand.

### Gold-Plated Earmold\*

After use on a trial basis, a hard earmold can be 18 carat gold-plated. A gold-plated earmold can-not be reworked.

#### Advantages:

- antiallergic surface sealing
- every hard earmold can be coated later
- very skin friendly
- gold-plating of bond surfaces or of all surfaces possible
- high-grade appearance and decorative accessory
- high-gloss surface
- high surface cleanliness (18 carat)



### Rhodium-Plated Earmold\*

After use on a trial basis a hard earmold can be rhodium-plated. A rhodium-plated earmold can-not be reworked.

#### Advantages:

- antiallergic surface sealing is possible at a later date on every hard earmold
- very skin friendly
- rhodium-plating of bond surfaces or all surfaces possible
- high-grade appearance and decorative accessory



### Vision Earmold

MMA-free plastic material on acrylic base which is polymerized and completely cured under UV-blended light.

#### Advantages:

- very skin friendly material
- MMA-free
- 3D print



### THERM0tec® Earmold

The best mixing degree can be reached when mixing the two-component material while degasifying under vacuum. The following polymerization under pressure and temperature guarantees an optimal skin-compatibility.

#### Advantages:

- good transport of moisture
- patented (protected)
- physiologically perfect
- soft in the ear at body temperature
- hard at room temperature
- easy to insert into the ear
- permanent elasticity
- easy to rework



### Lacquered Earmold

An existing hard earmold can be sealed later with LP/H lacquer and hardened under UV-light. It is absolutely necessary to use the earmold on a trial basis because a lacquered earmold cannot be reworked without rupturing the LP/H coating.

#### Advantages:

- antiallergic surface sealing is possible at a later date on every hard earmold
- increases the skin-friendliness of acrylic earmolds in case of allergic reactions
- smooth surface structure

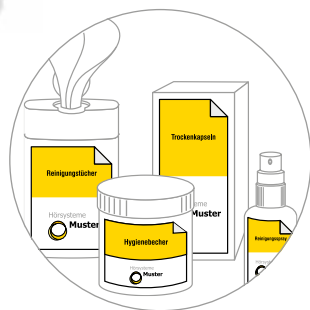


## Earmolds for Children

Good hearing from the beginning is the most important prerequisite for the development of the speech center. To enable children to use high-quality hearing systems especially finely worked earmolds are essential. The thin-walled earmold improves the willingness to wear the hearing aid and perfectly insulates the child's ear. Earmolds for children are produced from robust, durable material. Various colors and our Color Collection increase the joy of wearing them. Sound tubes with a small diameter, made especially for children, fit into the tiniest auditory canals. Special retaining earmolds are available for the speech processors of CI-hearing systems.

For more information please contact us.

Phone: +49 831 5811340.



## cedis Care Program

... for long-lasting, good hearing. Professional cleaning and drying ensure the functionality of hearing systems and prevent ear infections. For the hearing aid acoustician the egger care program is the beginning of a continuous customer relationship and lucrative additional sales.

You can choose from the following product lines:

- cedis: The strong brand for all hearing systems
- cedis [my.name]: Your name as a brand

Please give us a call to talk about the details.

Phone: +49 831 5811360

## Labeling of Earmolds

Earmolds are unique. Individual labeling underlines this fact. By adding the name of the company, manufacturing date or left-right-markings the earmold becomes unique. Special requests are possible. Labeling is done by laser technology thus distinguishing the product from others.

We will be happy to inform you.

Phone: +49 831 5811340.



## When it starts whistling while you are chewing...

A bite block may help to take a more precise impression, in particular when high transmission gain is needed or in cases of feedback while chewing. While taking the impression, the customer bites down on the bite block putting slight pressure on the jaws. Thus the jaw muscles are strained and the auditory canal straightened.

## The Impression Taking

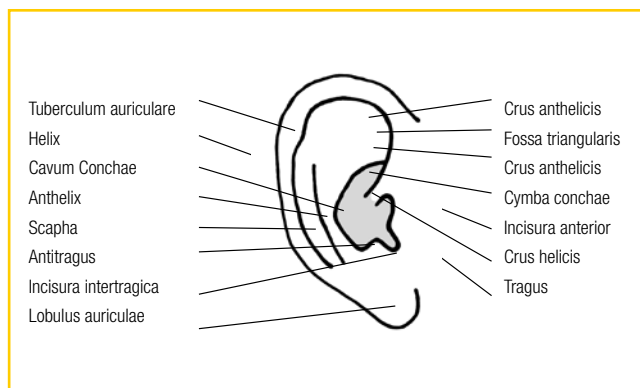
From taking an impression to forming an earmold. Basis for a high-quality earmold is a precise impression-taking of the ear. Experience, expertise and the right materials are necessary for this. The more exact the hearing aid acoustician defines the details for the order, the more precise an earmold can be manufactured. In particular this means giving detailed information on the length of the auditory canal, the length of the cymba, the type of sound tube etc.

Do you have any questions on impression-taking for circumaural earmolds, rest pieces or non-skid earmolds?

We will be happy to provide you with information.

Please give us a call.

Phone: +49 831 5811340.



# Hearing Protection

Hearing protection today has numerous applications: at work, during leisure time, at night. Work protection regulations mandate the wearing of hearing protection in surroundings with a high noise level. Home improvers, hunters, motor sport enthusiasts or party-goers use protection earmolds for a worry-free time. Musicians combine hearing protection with the possibilities of in-ear-monitoring. Hearing protection opens up entirely new customer segments for the hearing aid acoustician – with a positive outcome.



# Hearing Protection

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| 38 - 45 | Standard Hearing Protection               |
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| 53      | Noise at Work Information                 |

# Individually Fitted Hearing Protection / Protection Earmolds

Individually fitted hearing protection by egger is useful where ever the highest degree of wearing comfort and very good protection are required. The use of attenuation elements of various noise reduction values ensures the right kind of protection in many fields of operation. Therefore, people can keep up a concentrated performance in a noise-polluted environment. On the following pages we present – above all – our epro hearing protection. The egger-own brand products are always individually fitted and certified.



|         |                     |
|---------|---------------------|
| 18 - 19 | epro-X.S            |
| 20 - 21 | epro-X.A            |
| 22 - 23 | epro-STOP.S         |
| 24 - 25 | epro-STOP.A         |
| 26 - 27 | epro-ER             |
| 28 - 29 | epro-ER bang        |
| 30 - 31 | Protection Earmolds |





 **epro<sup>®</sup>**



# epro-X.S

The innovative hearing protector in any situation.



without handle



with handle



detachable  
connecting cord  
(optional)

Attenuation elements (stainless steel)



X.1M

X.2M

X.3M

X.4M

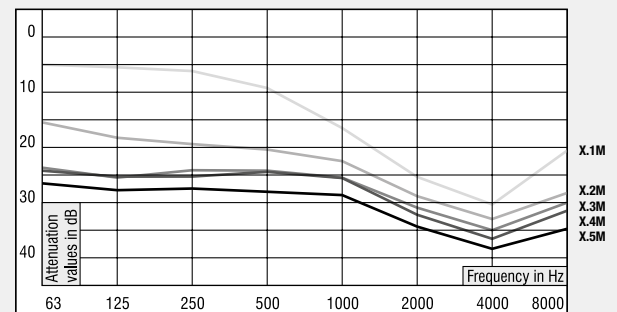
X.5M

## Possible fields of application:

industrial sector  
craft sector  
hobbies  
motor sports  
in-ear-monitoring

## Noise level:

medium to high  
low (X.1M comfort element)  
across all frequencies



**Hardly anyone knows your auditory canal better**

- manufactured individually after ear impression taking, custom-made to fit your ear perfectly
- made of soft material, hardly perceptible (60 shore)

**At its core: 5 different attenuation elements of stainless steel**

- high-precision production, functionality tested individually
- long life span, (almost) unbreakable
- attenuation effect to different degrees – always adequate protection of your hearing, e.g. against, damaging noise at work
- your surroundings remain acoustically perceivable
- 4 attenuation elements “X.2M, X.3M, X.4M, X.5M”
- 1 attenuation element for leisure purposes – with little attenuation, e.g. disturbing street noises or background noise in open-plan offices (see note to “X.1M”)
- 1 to 5 ring marks for visual distinction

**With or without handle – handle it your way**

- “with large handle”: quick and easy insertion in or removal from the ear of your hearing protector
- “without handle”: particularly small shape, cosmetically pleasing, hardly noticeable

**Unmistakeable – with color mark or colorful selection**

- red in right ear
- blue in left ear
- engraved surface (optional), e.g. name
- on request available in different colors

**With connecting cord – a useful addition**

- optionally available with removable connecting cord (special clips) and clip for attaching to clothes
- the connecting cord detaches itself from the hearing protector under excessively strong pressure – because it’s best to be safe
- includes user instructions and storage case

**Pioneering build – with additional sound canal**

- for connecting additional products by egger, e.g. professional earphones or a telecommunication headset
- if additional canal is not used, it is blocked tightly with a sealing plug

**Hygienically in top shape**

- upon request available with antimicrobial surface coating; prevents unwanted deposits from building on the surface

**Not in the ear – yet still well protected**

- including practical case with belt clip; sufficient space for your epro-X.S, the user instructions, guarantee card, cerumen pin and a cedis care gel

**Authentic only with certificate**

- the epro-X.S hearing protection has been type-tested by PZT GmbH. It conforms to the regulations for Personal Protective Equipment and is approved as Personal Protective Equipment (PPE).

| Frequency in Hz | Attenuation, SNR-, L-, M-, H-values in dB |      |      |      |      |
|-----------------|---|------|------|------|------|
|                 | *X.1M                                     | X.2M | X.3M | X.4M | X.5M |
| 63              | 5   | 15.7 | 24   | 24.6 | 26.8 |
| 125             | 5.3                                       | 18.1 | 25.4 | 25.2 | 27.8 |
| 250             | 6.1                                       | 19.2 | 24.2 | 25.2 | 27.5 |
| 500             | 9.1                                       | 20.3 | 24.3 | 24.6 | 28   |
| 1000            | 16.6                                      | 22.5 | 25.5 | 25.5 | 28.5 |
| 2000            | 25.3                                      | 28.9 | 31   | 32.3 | 34.4 |
| 4000            | 30.3                                      | 33   | 35   | 36.7 | 38.2 |
| 8000            | 20.8                                      | 28.1 | 29.9 | 31.8 | 34.8 |
| SNR-value       | 13  | 23   | 25   | 27   | 30   |
| L-value         | 3   | 17   | 21   | 22   | 25   |
| M-value         | 9   | 20   | 22   | 23   | 26   |
| H-value         | 19  | 25   | 27   | 27   | 30   |

Note:  
\* = Does not qualify as personal protective equipment; for leisure purposes only  
SNR = Single Number Rating  
L = Attenuation values for low frequency noises  
M = Attenuation values for medium frequency noises  
H = Attenuation values for high frequency noise

egger epro hearing protection devices may only be manufactured and brought into the market exclusively by egger Otoplastik + Labortechnik GmbH and its licensing partners.

# epro-X.A

The hearing protection all-rounder, hard model.



without handle



Concha version  
without handle



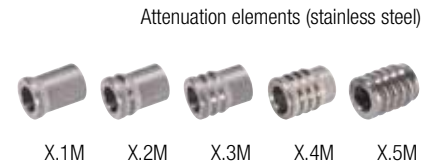
with handle



Concha version  
with handle



detachable  
connecting cord  
(optional)



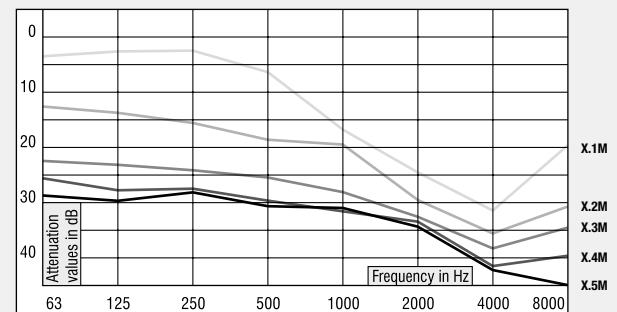
Attenuation elements (stainless steel)

## Possible fields of application:

industrial sector  
craft sector  
hobbies  
leisure

## Noise level:

medium to high  
low (X.1M comfort element)  
across all frequencies



**Hardly anyone knows your auditory canal better**

- manufactured individually after ear impression taking, custom-made to fit your ear perfectly
- made of hard, dirt-repellent, transparent material

**At its core: 5 different attenuation elements of stainless steel**

- high-precision production, functionality tested individually
- long life span, (almost) unbreakable
- attenuation effect to different degrees – always adequate protection of your hearing, e.g. against, damaging noise at work
- your surroundings remain acoustically perceivable
- 4 attenuation elements “X.2M, X.3M, X.4M, X.5M”
- 1 attenuation element for leisure purposes – with little attenuation, e.g. disturbing street noises or background noise in open-plan offices (see note to “X.1M”)
- 1 to 5 ring marks for visual distinction

**With or without handle – handle it your way**

- “with large handle”: quick and easy insertion in or removal from the ear of your hearing protector
- “without handle”: particularly small shape, cosmetically pleasing, hardly noticeable

**Unmistakeable – with color mark or colorful selection**

- red in right ear
- blue in left ear
- engraved surface (optional), e.g. name
- on request available in different colors

**With connecting cord – a useful addition**

- optionally available with removable connecting cord (special clips) and clip for attaching to clothes
- the connecting cord detaches itself from the hearing protector under excessively strong pressure – because it’s best to be safe
- includes user instructions and storage case

**Pioneering build**

- specially designed integration system for the attenuation element
- attenuation elements and integration system interchangeable if necessary

**Hygienically in top shape**

- upon request available with antimicrobial surface coating; prevents unwanted deposits from build-ing on the surface

**Not in the ear – yet still well protected**

- including practical case with belt clip; sufficient space for your epro-X.A, the user instructions, guarantee card, cerumen pin and a cedis care gel

**Authentic only with certificate**

- the epro-X.A hearing protection has been type-tested by PZT GmbH. It conforms to the regulations for Personal Protective Equipment and is approved as Personal Protective Equipment (PPE).

| Frequency in Hz | Attenuation values, SNR-, L-, M-, H-values in dB |      |      |      |      |
|-----------------|--|------|------|------|------|
|                 | *X.1M  | X.2M | X.3M | X.4M | X.5M |
| 63              | 3.2  | 12.5 | 22.5 | 25.3 | 27.7 |
| 125             | 2.5  | 13.6 | 23   | 27.5 | 29.4 |
| 250             | 2.3  | 15.4 | 23.8 | 27.2 | 27.3 |
| 500             | 6.2  | 18.3 | 25.4 | 29.7 | 30.1 |
| 1000            | 17   | 24.7 | 27.6 | 31.9 | 31.1 |
| 2000            | 24.7   | 29.5 | 32.6 | 33.3 | 33.9 |
| 4000            | 31.6   | 36.1 | 38.8 | 42.4 | 42.8 |
| 8000            | 24.2   | 31.1 | 34.9 | 39.8 | 45   |
| SNR-value       | 11   | 23   | 28   | 30   | 32   |
| L-value         | 2  | 14   | 22   | 25   | 26   |
| M-value         | 7  | 20   | 25   | 27   | 28   |
| H-value         | 18   | 27   | 30   | 31   | 33   |

Note:  
\* = Does not qualify as personal protective equipment; for leisure purposes only  
SNR = Single Number Rating  
L = Attenuation values for low frequency noises  
M = Attenuation values for medium frequency noises  
H = Attenuation values for high frequency noise

egger epro hearing protection devices may only be manufactured and brought into the market exclusively by egger Otoplastik + Labortechnik GmbH and its licensing partners.

# epro-STOP.S

The hearing protection with extra attenuation, without attenuation element, soft model.



without handle



with handle



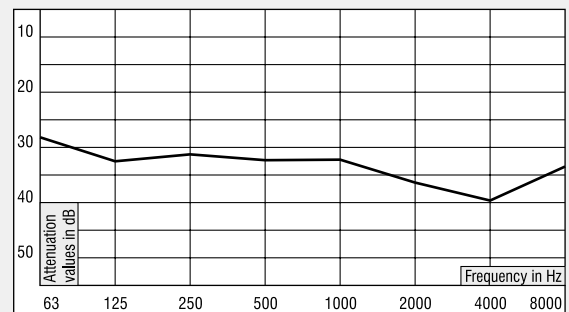
detachable  
connecting cord  
(optional)

## Possible fields of application:

industrial sector and  
craft sector  
hobbies

## Noise level:

extremely high  
across all frequencies



**Hardly anyone knows your auditory canal better**

- manufactured individually after ear impression taking, custom-made to fit your ear perfectly

**Soft only where the material is concerned**

- made of soft, easy to clean material
- hardly perceptible (60 shore)

**Unafraid of noise**

- powerful, broadband hearing protection
- outstanding protection against very loud, harming noise levels, e. g. in work areas or during motor sport events
- effective “stop” for disturbing background noises, e.g. traffic noise (road, railway, airplane or similar)
- protection of ear also against cold, draught and dust

**With or without handle – handle it your way**

- “with large handle”: quick and easy insertion in or removal from the ear of your hearing protector
- “without handle”: particularly small shape, cosmetically pleasing, hardly noticeable

**Unmistakeable – with color mark or colorful selection**

- red in right ear
- blue in left ear
- engraved surface (optional), e. g. name
- on request available in different colors

**With connecting cord – a useful addition**

- optionally available with removable connecting cord (special clips) and clip for attaching to clothes
- the connecting cord detaches itself from the hearing protector under excessively strong pressure – because it’s best to be safe
- includes user instructions and storage case

**Hygienically in top shape**

- upon request available with antimicrobial surface coating; prevents unwanted deposits from building on the surface

**Not in the ear – yet still well protected**

- including practical case with belt clip; sufficient space for your epro-STOP.S, the user instructions, guarantee card, cerumen pin, and a cedis care gel

**Authentic only with certificate**

- the epro-STOP.S hearing protection has been type-tested by PZT GmbH. It conforms to the regulations for Personal Protective Equipment and is approved as Personal Protective Equipment (PPE).

**Make more out of it**

- post-production alteration into an epro-X.S hearing protector possible\* (with attenuation element of stainless steel, within the possibilities of the anatomy of the ear and the condition of your hearing protector’s surface structure)\*

\* fee required

| Attenuation, SNR-, L-, M-, H-values in dB |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|
| Hz  | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| Mf  | 28.1 | 32.7 | 31.4 | 32.3 | 32.0 | 36.4 | 39.7 | 33.7 |
| SNR: 33 – L: 29, M: 30, H: 33             |      |      |      |      |      |      |      |      |

Note:  
SNR = Single Number Rating  
L = Attenuation values for low frequency noises  
M = Attenuation values for medium frequency noises  
H = Attenuation values for high frequency noise

egger epro hearing protection devices may only be manufactured and brought into the market exclusively by egger Otoplastik + Labortechnik GmbH and its licensing partners.

# epro-STOP.A

The hearing protection with extra attenuation, without attenuation element, hard model.



without handle



Concha version  
without handle



with handle



Concha version  
with handle



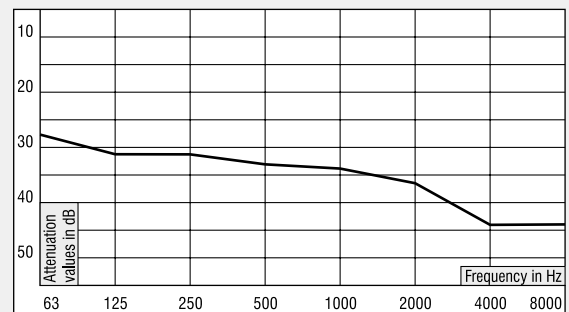
detachable  
connecting cord  
(optional)

## Possible fields of application:

industrial sector and  
craft sector  
hobbies

## Noise level:

extremely high  
across all frequencies





**Hardly anyone knows your auditory canal better**

- manufactured individually after ear impression taking, custom-made to fit your ear perfectly

**Hard against dirt**

- made of hard, transparent, dirt-repellent material
- free of silicone and rubber
- especially suitable for wearing under strong exposure of dirt
- long life material

**Fearless against noise**

- strong, broadband hearing protection
- excellent protection against very loud, harming noise levels, e.g. in work areas or during motor sport events
- effective “stop” against disturbing background noises, e.g. traffic noise (road, railway, airplane or similar)
- offers protection of ear also against cold, draught and dust

**With or without handle – handle it your way**

- “with large handle”: quick and easy insertion in or removal from the ear of your hearing protector
- “without handle”: particularly small shape, cosmetically pleasing, hardly noticeable

**Unmistakeable – with color mark or colorful selection**

- red in right ear
- blue in left ear
- engraved surface (optional), e.g. name
- on request available in different colors

**With connecting cord – a useful addition**

- optionally available with removable connecting cord (special clips) and clip for attaching to clothes
- the connecting cord detaches itself from the hearing protector under excessively strong pressure – because it's best to be safe
- includes user instructions and storage case

**Hygienically in top shape**

- upon request available with antimicrobial surface coating; prevents unwanted deposits from building on the surface

**Not in the ear – yet still well protected**

- includes practical case with belt clip; sufficient space for your epro-STOP.A, user instructions, guarantee card, cerumen pin and a cedis care gel

**Authentic only with certificate**

- the epro-STOP.A hearing protection has been type-tested by PZT GmbH. It conforms to the regulations for Personal Protective Equipment and is approved as Personal Protective Equipment (PPE).

| Attenuation, SNR-, L-, M-, H-values in dB |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|
| Hz  | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| Mf  | 27.8 | 31.3 | 31.3 | 33.1 | 33.8 | 36.5 | 44   | 43.9 |
| SNR: 34 – L: 28, M: 30, H: 35             |      |      |      |      |      |      |      |      |

Note:  
SNR = Single Number Rating  
L = Attenuation values for low frequency noises  
M = Attenuation values for medium frequency noises  
H = Attenuation values for high frequency noise

egger epro hearing protection devices may only be manufactured and brought into the market exclusively by egger Otoplastik + Labortechnik GmbH and its licensing partners.

# epro-ER

Hearing protection for leisure purposes  
with natural sound reproduction.



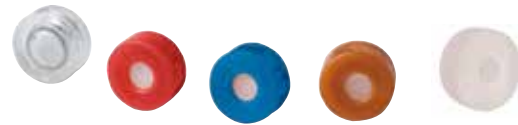
without handle



with handle



detachable  
connecting cord  
(optional)

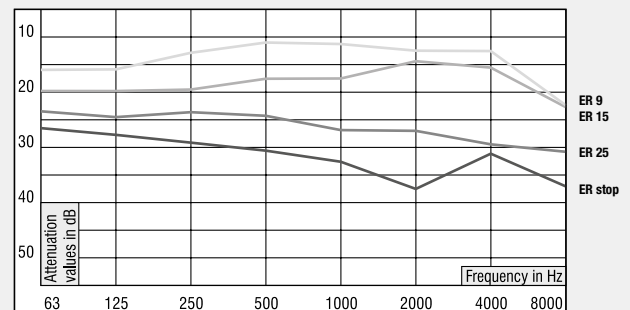


## Possible fields of application:

musicians  
music lovers  
noise sensitivity  
noise in the ear  
in-ear-monitoring

## Noise level:

low to medium  
across all frequencies



**Hardly anyone knows your auditory canal better**

- manufactured individually after ear impression taking, custom-made to fit your ear perfectly
- made of soft material, hardly perceptible (60 shore)

**Its heart beats [not only] for musicians**

- music and language sound clear and natural
- broad band attenuation
- only the volume is reduced
- optimum protection for musicians, sound technicians, concert and club goers, etc.

**9/15/25/stop – You have the choice**

- four attenuation elements of different attenuation levels
- available in transparent, red, blue, beige; “stop” in transparent only
- standard delivery: transparent

**It can do “In-Ear-Monitoring”**

- with special in-ear earphones it can be turned into professional in-ear-monitoring
- simple, fast removal of attenuation elements/connection of headphones
- ideal for use on stage or connecting to personal listening devices

**With or without handle – handle it your way**

- “with large handle”: quick and easy insertion in or removal from the ear of your hearing protector
- “without handle”: particularly small shape, cosmetically pleasing, hardly noticeable

**Unmistakeable – with color mark or colorful selection**

- red in right ear
- blue in left ear
- engraved surface (optional), e.g. name
- on request available in different colors

**Not in the ear – yet still well protected**

- including practical case with belt clip; sufficient space for your epro-ER, user instructions, guarantee card, cerumen pin, a cedis care gel

**With connecting cord – a useful addition**

- optionally available with removable connecting cord (special clips) and clip for attaching to clothes
- the connecting cord detaches itself from the hearing protector under excessively strong pressure – because it’s best to be safe
- includes user instructions and storage case

**Hygienically in top shape**

- upon request available with antimicrobial surface coating; prevents unwanted deposits from building on the surface

**Authentic only with certificate**

- the epro-ER hearing protection has been type-tested by PZT GmbH. It conforms to the regulations for Personal Protective Equipment and is approved as Personal Protective Equipment (PPE).

| Frequenz in Hz | Attenuation, SNR-, L-, M-, H-values in dB |       |       |         |
|----------------|---|-------|-------|---------|
|                | ER 9 *                                    | ER 15 | ER 25 | ER stop |
| 63             | 16.0                                      | 19.9  | 23.4  | 26.6    |
| 125            | 15.9                                      | 19.9  | 24.6  | 27.9    |
| 250            | 12.9                                      | 19.6  | 23.7  | 29.1    |
| 500            | 11.0                                      | 17.6  | 24.2  | 30.6    |
| 1000           | 11.2                                      | 17.5  | 26.9  | 32.7    |
| 2000           | 12.3                                      | 14.4  | 27.0  | 37.4    |
| 4000           | 12.6                                      | 15.4  | 29.5  | 31.1    |
| 8000           | 22.3                                      | 22.8  | 30.9  | 37.1    |
| SNR-value      | 11  | 15    | 25    | 30      |
| L-value        | 9   | 14    | 21    | 26      |
| M-value        | 9   | 14    | 23    | 28      |
| H-value        | 10  | 13    | 25    | 29      |

Note:  
\* = Does not qualify as personal protective equipment; for leisure purposes only  
SNR = Single Number Rating  
L = Attenuation values for low frequency noises  
M = Attenuation values for medium frequency noises  
H = Attenuation values for high frequency noise

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## epro-ER bang

The special hearing protector – for hunters, target shooters, security personnel, police and military forces and more.



without handle



with handle



detachable  
connecting cord  
(optional)

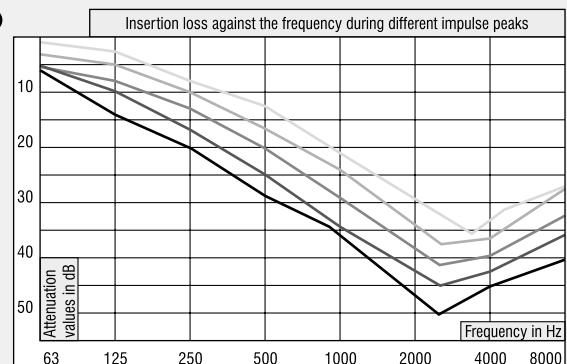


spare attenuation  
elements

### Possible fields of application:

Hunters and target shooters  
Security personnel, police forces,  
military forces  
Percussionists  
Industrial sector and craft  
sector, e.g. stamping presses

1



| Impulse Peak Level (dB) | 130 | 140 | 150 | 166 | 170 |
|-------------------------|-----|-----|-----|-----|-----|
|-------------------------|-----|-----|-----|-----|-----|

**Hardly anyone knows your auditory canal better**

- manufactured individually after ear impression taking, custom-made to fit your ear perfectly
- made of soft material, hardly perceptible (60 shore)
- highest wearing comfort even underneath the protective helmet
- no impairment e.g. when taking aim with long firearms
- the earmold corresponds to that of the world-wide known “ER” musician’s hearing protector

**Its heart beats [not only] for “bang – all that is explosively loud“**

- noise level-dependent, immediate protective effect during shooting and impulse noises (illustration 1)
- moderate attenuation effect during unwavering continuous noise (illustration 2 and 3)
- speech and surrounding noise remain audible
- also superbly suitable for percussionists

**It can do “in-ear-monitoring“**

- with special in-ear earphones it can be turned into professional in-ear-monitoring
- simple, fast removal of attenuation elements / connection of headphones

**With or without handle – handle it your way**

- “with large handle”: quick and easy insertion in or removal from the ear of your hearing protector
- “without handle”: particularly small shape, cosmetically pleasing, hardly noticeable

**Unmistakeable – with color mark or colorful selection**

- red in right ear
- blue in left ear
- engraved surface (optional), e.g. name
- on request available in different colors

**Not in the ear – yet still well protected**

- including practical case with belt clip; sufficient space for your epro-ER bang, user instructions, guarantee card, cerumen pin, a cedis care gel

**With connecting cord – a useful addition**

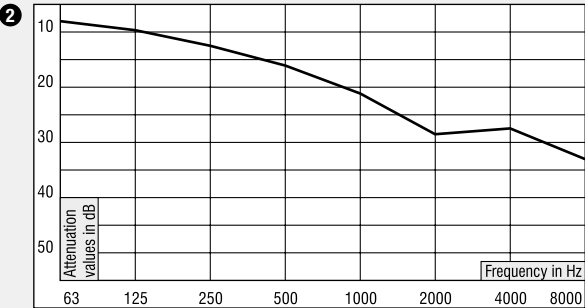
- optionally available with removable connecting cord (special clips) and clip for attaching to clothes
- the connecting cord detaches itself from the hearing protector under excessively strong pressure – because it’s best to be safe
- includes user instructions and storage case

**Hygienically in top shape**

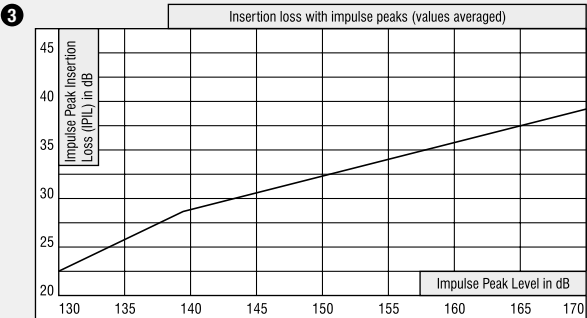
- upon request available with antimicrobial surface coating; prevents unwanted deposits from building on the surface

**Authentic only with certificate**

- the epro-ER bang hearing protection has been type-tested by PZT GmbH. It conforms to the regulations for Personal Protective Equipment and is approved as Personal Protective Equipment (PPE).



| Attenuation, SNR-, L-, M-, H-values in dB |     |     |      |      |      |      |      |      |
|---|-----|-----|------|------|------|------|------|------|
| Hz  | 63  | 125 | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| Mf  | 7.0 | 9.8 | 12.5 | 16.0 | 21.0 | 28.4 | 27.4 | 33.0 |
| SNR: 20 – L: 12, M: 16, H: 23             |     |     |      |      |      |      |      |      |



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## H<sub>2</sub>O Splash Protection Earmold

single-colored/multi-colored, incl. beach safe

The splash protection earmold is custom-made after impression taking. Prevents water from penetrating the ear while taking a bath or shower or doing water sports and therefore protects against ear inflammation. The extremely tissue-friendly, soft material complies with the Medical Devices Act.

- floatable
- very good protection due to customized fit
- seals without applying pressure
- made of soft material (35 shore)
- durable
- available in various colors and color combinations
- "beach safe" included, the waterproof case with cord
- on request available with connection cord
- available in blue, yellow, green, red, white, pink, purple, orange and black



No personal protective equipment (PPE).

## Concha Noise-Reduction Earmold

Noise and splash protection, incl. bag

The individual ear protection for work and leisure time, manufactured after impression taking. The soft material is pleasant to wear, protects intensively against noise, dust and cold temperatures and prevents water from penetrating the ear.

- good attenuation efficiency
- soft material (25/40/60 shore) \*
- durable
- perfect fitting
- standard without handle strip
- optionally with handle strip
- egger storage bag included
- available in transparent, single-colored or multi-colored
- on request available with connection cord



\*We recommend 40 Shore, standard.

No personal protective equipment (PPE).

### Noise-Reduction Earmold for Ear Canal

Small size, great effect, incl. bag

Earplug made of especially soft material, custom-made after ear impression taking.  
Comfortable to wear due to its small size.

- soft material (25/40/60 shore) \*
- durable
- perfect fitting
- egger storage bag included
- available in transparent, single-colored or multi-colored
- standard without handle strip
- optionally with handle strip



\*We recommend 40 Shore, standard.

No personal protective equipment (PPE).

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### eSENTI, sleep and ear protection

Small design with great effect, incl. storage bag.

Earplugs made of extremely soft material, manufactured individually after impression taking. The small design has a comfortable fit and secures effective peace while sleeping.

- silence during sleep and study
- protection against wind
- soft material (25 or 40 shore)
- long lifespan
- custom-fit
- egger storage bag included
- available in transparent, unicolored or multicolored
- standard without handle strip
- optionally with handle strip



No personal protective equipment (PPE).

# Communication Systems / In-Ear-Monitoring

The professional in-ear monitor – for professional musicians on stage, as well as for listening to your iPod and MP3 player, for headsets of cell phones, walkie-talkies or dictaphones. In-ear-monitoring in combination with a custom-made monitoring earmold provides effective hearing protection with high wearing comfort. For a professional performance.





## In-Ear-Monitoring (IEM)

Brought forth by stage musicians in the 1980s, “in ear monitoring” today represents a myriad of possible applications, in which small earphones are responsible for the good sound in the ear.

With the rapidly growing development regarding music players and mobile phones at the latest, this technology has entered our hearing’s “daily life” long ago.

During a stage event, earphones worn directly in the ear replace the large monitor speakers on stage. For controlling one’s own instrument or voice, these monitors generate considerable noise levels. With in ear monitoring on the other hand, the sound can enter the ear with low levels and is thus hearing-friendly. In addition, the stressful singing over the total overall noise on stage is no longer necessary.

Moreover, headsets also make use of this principle in the combination of earphone and microphone. This makes communication via telephone or radio possible even in loud surroundings, i.e. at the workplace. Or when one’s hands need to remain free while working.

The extra highlight comes with the wearing of the customized earmolds. It completes the perfect hearing and speech quality with an incredible wearing comfort and great retention in the ear even while exercising.

You have the choice:

- individual earmolds, manufactured after impression-taking, for your existing earphones (= monitor earmold)
- earphones and headset

Today this technology has become important in many areas of modern communication, e.g. for

- musicians
- security personnel
- radio and TV hosts
- racers and pit crews
- MP3 players
- headsets for mobile devices
- dictaphones in a secretary’s office

If you want to discover the wonders of in-ear-monitoring and do not yet have an in-ear receiver, choose one from the egger program.



In-Ear-Monitoring



## Custom-Made IEM Earmolds

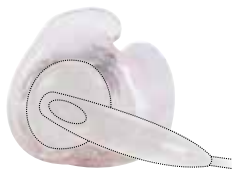
The professional link between man and technology.

- custom-made after ear impression taking
- ensures secure hold in the ear
- comfortable to wear
- great sound reproduction
- reduces background noise
- suitable for many fields of application

**Information for individual IEM earmold orders:** Upon receipt of your order we will send you our estimate of costs. This estimate is composed of the basic price (see price list) as well as the surcharge, depending on earphone model or the anatomy of the ear. Please note that a return of custom-made IEM earmolds is not possible.

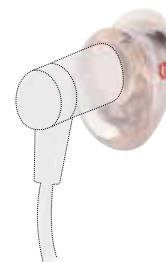
## Concha Monitoring Earmold, soft

The concha monitor earmold is manufactured individually, made of soft material, after ear impression. It offers an exact fit for coupling to many standard receivers of CD players, iPods, MP3 players, office communication devices, headsets or radio devices. Thus reducing background noise while staying securely in the ear.



## Ear Canal Monitoring Earmold, soft

The ear canal monitoring earmold is characterized by its small size. Made of soft material after custom-made impression taking. It connects your hearing with mini receivers that are usually worn with ear plugs. The ear canal monitoring earmold is the right earpiece for everyone that is dependent on sound reproduction like musicians, sound technicians or security personnel. The custom-made connection reduces background noise and ensures a secure hold.



## Race-Line in-ear-monitoring, soft (per ear)

In-ear-monitoring for one or both ears. Custom-made, soft earmold/s, manufactured after ear impression taking. Developed especially for motor sport enthusiasts and comfortable to wear under the helmet. The receiver is firmly integrated into the earmold. Mono model for mono radio and communication systems.

Choice of plugs: RCA jack Standard, RCA jack Neutrik or 3.5 mm plug

Cable length: approx. 55 cm or 100 cm

Cable colors: black



## IEM Earphones

### 86435 | EIM 15 – Earphone suitable for hearing protection epro-ER

EIM 15 is the small, high-quality in-ear stereo earphone, suitable for the custom-made hearing protection epro-ER. Simply exchange filter elements of epro-ER with in-ear earphones and transform your noise protection into an in-ear-monitoring system with natural sound quality, good reproduction of deep tones and great wearing comfort. It is the flexible solution when seeking technology while caring for your hearing.

- transforms epro-ER hearing protection into a professional in-ear-monitoring system
- natural sound quality
- good reproduction of deep tones
- durable, flexible cable
- stereo jack plug (3.5 mm)
- protective case included



95611 | **Spiral Tube**, 2.0 x 3.1 mm  
with collar clip for coupling to earphones

95612 | **Elbow** for spiral tube

95613 | **Coupling Connector with Collar Clip** (without spiral tube)



### Standard EARpiece Set

Includes three soft, ready-made EARpieces in different sizes and one lamella-shaped ear plug.

95615 | **For left ear**

95616 | **For right ear**



### **Etymotic Research – the Inventors of the In-Ear Technology**

Etymotic Research has been recognized as the market leader in the in-ear technology sector for more than 25 years. The result were the pioneering insert earphones for people who value superior sound quality. Linked to each series, these earphones are additionally available in the Headset version. Apart from perfect listening and speech intelligibility quality, this version guarantees the highest possible safety level when in use.

- + Superior sound
- + Strong design
- + Kevlar-reinforced cable
- + Many accessories
- + Beloved among musicians, music and audio book lovers
- + Clear communication for telephone users with little and lots of breath

#### **Note:**

The following earphones/headsets by Etymotic Research can also be equipped with an individual IEM earmold.

### **86547 | hf3 Earphones + Headset, black**

For iPhone, iPad, iPod touch and other MP 3 players

- close-proximity "In-Line-Microphone" with 3-button control
- supports the control possibilities of the latest mobile devices from Apple
- music automatically pauses for an incoming call
- 3.5 mm 4-contact plug
- many accessories



### **865431 | mk5 Isolator Earphones**

For all audio players

- improved casing for better sound
- Kevlar-reinforced cable
- includes pouch, replaceable filters, assorted standard eartips, shirt clip, user manual
- 3.5 mm plug



- + Meets the needs of professional musicians
- + Suitable for stage action or the recording studio
- + Perfectly equipped in any situation

These are the right earphones for music lovers and high fidelity enthusiasts who admire uncompromising accuracy in medium and high frequencies and highly estimate additional presence in low frequencies. ER3XR disposes of detachable cables which allow for easy replacement and customization.

- Suitable for high fidelity applications
- Clear sound with extended bass
- Balanced-armature micro-drivers
- Frequency Response 20–16,000 Hz
- Maximum Output 122 dB
- Impedance 22  $\Omega$
- Noise Isolation 35–42 dB
- Sensitivity at 1 kHz and 0.1 V: 102 dB
- Black metal body with anodized finish
- Kevlar-reinforced cable with angled 3.5 mm plug
- Length of cable: 120 cm
- incl. storage case, jack adaptor, collar clip, assortment of eartips foam/rubber, filter removal tool and replacement filters



# Standard Hearing Protection

Standard products protect against noise – quickly and easily. To this end, they are practical for visitor groups in noisy factories, for home improvers or quiet sleep. Standard hearing protection is available for every occasion, in various shapes – plug or lamella -, with or without bow, simply as ear muffs or as electronic in-ear protection.



## Standard Hearing Protection – Practical and Quick

It is the simple and fast solution for protecting against noise and caring for your hearing. It is practical and offers secure protection at work, for water sports or a good night's sleep. It is available for every occasion and in various shapes – plug or lamella or as active electronic hearing protection.

### Electronic Hearing Protection

Clever, automatic protection for the ear shaped as small in-ear-devices. For loud noise workplaces, hunting and gun sports and also for musicians. Additional noise isolation due to a selection of eartips or optionally available earmolds, manufactured individually after impression taking. Includes comprehensive set components: 1 pair of in-ear hearing protectors, assortment of eartips, robust connecting cord, replacement filter and filter removal tool, cleaning brush, 6 zinc-air batteries A 10, high-quality pouch.

#### 86536 | GSP•15

- especially developed protective effect for the special needs of hunters and target shooters
- in addition authorized for use at workplaces with high noise levels
- protects against explosive noise during the usage of firearms as well as shooting noise in the surroundings, e.g. while hunting or during shooting practice
- characterized by fastest possible return to natural speech reproduction and restoration of hearing perception in uncritical noise levels
- protects also against irritating, continuous and unwavering loud surrounding noise
- intensity of protective effect can be selected: "HI" – up to 5 times better perception of surroundings; "LO" – maximum protection of up to 15 dB against critical noise levels)



## Plug, Kneadable

**86604 | OHROPAX® Silicone Clear**, 3 pairs Silicone ear plugs  
Splash water protection, noise protection, for a pleasant night's sleep.

SNR: 23 dB, H-value: 26 dB, M-value: 19 dB, L-value: 18 dB



## Foam Plugs

### x-fit

**86570** | 1 pair in PE pouch

**86572** | 200 pairs in box

**86571** | 200 pairs in refill bag (without packaging)

SNR: 37 dB, H-value: 36 dB, M-value: 34 dB, L-value: 34 dB



### com4-fit

**86575** | 1 pair in PE pouch

**86577** | 200 pairs in box

**86576** | 200 pairs in refill bag (without packaging)

SNR: 33 dB, H-value: 33 dB, M-value: 30 dB, L-value: 29 dB



**86433 | OHROPAX® Color**, 4 pairs in plastic box

SNR: 34 dB, H-value: 34 dB, M-value: 32 dB, L-value: 31 dB



**86413 | Earplug Quiet**, 1 pair

SNR: 28 dB, H-value: 29 dB, M-value: 25 dB, L-value: 23 dB



## Lamella Shape with Filter Effect

**86417 | MusicSafe®**, 1 pair with case (incl. additional filter pair)

Standard hearing protection for musicians and music lovers.

Lamella transparent, with replaceable filters.

Silver filter: SNR: 19 dB, H-value: 20 dB, M-value: 17 dB, L-value: 14 dB

Gold filter: SNR: 22 dB, H-value: 23 dB, M-value: 19 dB, L-value: 16 dB



Noise category H = high-frequency noise, Noise category M = medium-frequency noise, Noise category L = low-frequency noise



**864141 | PartyPlug®**, 1 pair in plastic box

Standard hearing protection for comfortable volume during celebrations and for good speech understanding.

SNR: 19 dB, H-value: 19 dB, M-value: 19 dB, L-value: 12 dB



**864121 | FlyFit®**, 1 pair in plastic box

Standard hearing protection for rest and relaxation on the way.  
White lamella and yellow filter.

SNR: 17 dB, H-value: 19 dB, M-value: 15 dB, L-value: 10 dB



**864150 | SleepSoft®**, 1 pair in plastic box

Standard hearing protection for a pleasant night's rest.  
White lamella and green filter.  
New: with "Minigrip" (removal string).

SNR: 25 dB, H-value: 24 dB, M-value: 24 dB, L-value: 23 dB



**864185 | WorkSafe®**, 1 pair in plastic box

Standard hearing protection against noise at work, during hobby and leisure time and motor sports. Universal use. Black lamella and red filter.

SNR: 23 dB, H-value: 22 dB, M-value: 20 dB, L-value: 20 dB



**864130 | SwimSafe®**, 1 pair in plastic box

Splash protection. Protects ears against water.  
White lamella and blue filter.

SNR: 10 dB, H-value: 16 dB, M-value: 7 dB, L-value: 2 dB



**864171 | MotoSafe® Race**, 1 pair with bag

MotoSafe® earplugs are made of durable and flexible material. Thanks to the warmth of the ear, the soft material is shaped to the ear canal for a perfect fit. In combination with the soft filters, the earplugs fit perfectly underneath a helmet. The material does not contain silicone, ensuring that the earplugs do not sweat, itch or irritate. They can easily be worn all day.

SNR: 20 dB, H-value: 20 dB, M-value: 17 dB, L-value: 15 dB



Noise category H = high-frequency noise, Noise category M = medium-frequency noise, Noise category L = low-frequency noise

**864160 | Pluggies Kids®**, 1 pair in plastic box

Hearing protection for kids (small size) against noise, pressure fluctuations on an air-plane and water splashes. White lamella and light-blue filter.

SNR: 25 dB, H-value: 24 dB, M-value: 23 dB, L-value: 23 dB



**Lamella Shape, Closed**

**86578 | whisper+ with Connecting Cord and Box**, 1 pair

SNR: 27 dB, H-value: 27 dB, M-value: 24 dB, L-value: 22 dB



**86416 | Ear Planes for Children**, 1 pair

Protection against air pressure fluctuations in planes



**86415 | Ear Planes for Adults**, 1 pair

Protection against air pressure fluctuations in planes



No personal protective equipment (PPE).

**Bow-Type Noise Protection**

**86580 | x-cap**

A flyweight with only 8 g. The oval-shaped soft foam earplugs guarantee a comfortable fit.

SNR: 24 dB, H-value: 27 dB, M-value: 19 dB, L-value: 18 dB



Noise category H = high-frequency noise, Noise category M = medium-frequency noise, Noise category L = low-frequency noise

### 86583 | **xact-band Hearing Protection with Band**

Ergonomically shaped stems allow the hearing protection to be effective directly in the ear canal and not simply resting in the outer ear.

- Integrated sound absorbers reduce noise transmission via the band
- Left and right thumb indentations for quick and easy handling
- Replacement earplugs can be stored in dispenser
- Extremely light weight: 4 g

SNR: 26 dB, H-value: 29 dB, M-value: 22 dB, L-value: 21 dB



### Ear Muffs

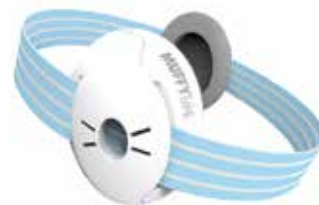
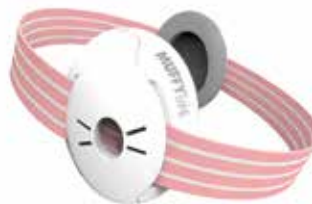
#### Ear Muffs Muffy Baby

The Alpine Muffy Baby has been designed to ensure that the headband is not too tight. Thus, the hearing protector never puts too much pressure on the small head. The soft, elastic headband is easy to adjust thanks to the velcro. The two separate ear muffs can be attached easily to the headband and secured in the correct position. Only for babies and toddlers from one year.

SNR: 23 dB, H-value: 24 dB, M-value: 21 dB, L-value: 14 dB

864612 | **pink**

864613 | **blue**



Noise category H = high-frequency noise, Noise category M = medium-frequency noise, Noise category L = low-frequency noise

### Alpine Muffy Kids

Multifunctional – The Alpine Muffy earmuff has been especially designed for the sensitive ears of small children and can be used in various noisy situations. These ear protectors for kids are also very suitable for being able to learn and read in a more focused manner. The robust and comfortable Alpine Muffy earmuff is made of high-quality material. The adjustable headband covered in soft fabric fits any child's head so they won't grow out of it. The Alpine Muffy earmuffs can be worn by children above the age of 5.

Unique product characteristics

- Very comfortable because of its soft headband
- Adjustable size, fits any child
- Foldable, easy to take with you/store
- Available in five different designs
- Robust and durable
- Easy to clean
- Including storage bag

SNR: 25 dB, H-value: 28 dB, M-value: 22 dB, L-value: 15 dB

864614 | **yellow**

864616 | **blue**

864618 | **pink**

864619 | **green**

864620 | **mint**



### 86582 | Ear Muffs K2, black/yellow

High-protection in a perfect design. Thus, the new ear muffs K2 impress the user. With soft memory foam cushions and its light weight, the ear muffs are very comfortable to wear.

- Easy length adjustment
- Padded headband for optimal wearing comfort
- Extra soft memory foam ear cushions
- Designed to be lightweight with a small capsule
- Weight: only 218 g

SNR: 32 dB, H-value: 37 dB,  
M-value: 29 dB, L-value: 21 dB



### 86584 | MusicSafe Ear Muffs

For musicians, hearing is indispensable. Unfortunately, it is precisely these people who suffer from hearing damage most frequently. Therefore, appropriate hearing protection is a real must.

Product features:

- Especially for drummers and musicians
- Very comfortable, soft headband
- Adjustable; fits everyone
- Robust and durable
- Foldable, easy to take with you
- Easy to clean
- Weight: 225 g

SNR: 25 dB, H-value: 28 dB,  
M-value: 22 dB, L-value: 15 dB



Noise category H = high-frequency noise, Noise category M = medium-frequency noise, Noise category L = low-frequency noise

## Assortments

### 864500 | **Standard Hearing Protection**, assortment of 14 different products

The starter kit is the optimum basic equipment in the hearing protection sector for each acoustician specialized shop!

#### Contents:

- 1 x OHROPAX® Color, 8 pieces (REF 86433)
- 1 x WorkSafe®, 1 pair in plastic box (REF 864185)
- 1 x x-fit, 1 pair in PE pouch (REF 86570)
- 1 x Earplug Quiet (REF 86413)
- 1 x SwimSafe®, 1 pair in plastic box (REF 864130)
- 1 x MotoSafe® Race, 1 pair with bag (REF 864171)
- 1 x Ear Planes for adults (REF 86415)
- 1 x Ear Planes for children (REF 86416)
- 1 x Pluggies Kids® (REF 864160)
- 1 x OHROPAX® Silicon Clear, 3 pairs (REF 86604)
- 1 x whisper+ with textile connecting cord and box, 1 pair (REF 86578)
- 1 x PartyPlug® (REF 864141)
- 1 x x-cap bow-type noise protection (REF 86580)
- 1 x xact-band Hearing Protection with Band (REF 86583)



### 864109 | **Alpine Lamella-Shaped Hearing Protection**

Assortment of 36 pairs, display included

#### Set consisting of:

- 1 high-quality display
- 6 x WorkSafe®, 1 pair in plastic box (REF 864185)
- 6 x PartyPlug®, 1 pair in plastic box (REF 864141)
- 6 x FlyFit®, 1 pair in plastic box (REF 864121)
- 6 x SwimSafe®, 1 pair in plastic box (REF 864130)
- 6 x SleepSoft®, 1 pair in plastic box (REF 864150)
- 6 x Pluggies Kids®, 1 pair in plastic box (REF 864160)



# Accessories for Hearing Protection

Everything from spare attenuation elements to  
beach saves: Useful and practical accessories for  
your customers pertaining to hearing protection.  
A selection that will distinguish you as a competent  
system supplier.





**86489 | Sound Level Meter Type 5055**



**19923 | egger Storage Bag, black**

With print "egger Otoplastik + Labortechnik" and "CE1974-EN352".



**19924 | Storage Bag, black**

On request labeled with your logo (minimum order quantity 3,000 pieces).  
We will be happy to assist you.



**198820 | egger Inserting Bag, small**

With print "egger Otoplastik + Labortechnik".



**19882 | Inserting Bag, small**

On request labeled with your logo (minimum order quantity 3,000 pieces).  
We will be happy to assist you.



**86439 | Aluminum Box**





## Beach Safe

99930 | blue  
999301 | red  
999304 | white



864999 | **Connecting Cord**, textile  
for soft hearing protectors with collar clip



## Rubber connecting cord for hearing protector, 80 cm

864943 | light gray  
864955 | blue, detectable

**Set of rubber connecting cord**, with cord stopper (trapeze-shaped), red and blue, incl. collar clip

864956 | light gray  
864958 | blue, detectable



## Cord stopper for rubber connecting cord, neutral, trapeze-shaped

864931 | red  
864932 | blue



## 677500 | Tool for inserting

Tool for easy inserting of silicone adaptor including attenuation element of stainless steel into epro-X.A hearing protection earmold.



**19869 | Metal Detector Ball**, diameter 2.5 mm



Did you know?

By law, hearing protection products used in the sectors of food, cosmetics and pharmaceuticals must be detectable. This means that if lost, they can be recovered quickly and easily. For this purpose, employees in such workplaces or production halls use so-called metal and optical detection devices to be able to detect contaminated products rapidly, so they can be discarded. To this end, hearing aid earmolds that are used in these sectors are equipped with a metal ball. In addition, the earmold can also be produced in a vivid color.

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**Custom-Made Spare Earmolds**

Upon request we will manufacture spare earmolds for you, for example, for epro-X.S



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**19858 | Wax Pin**, blue



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**19868 | Universal Collar / Cabel Clip** for hearing protection and earmolds



**865710 | Dispenser “one 2 click”, empty**



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**Spare Parts**

**Eartips for Etymotic Research Earphones**

**865601 | Spare Eartip 3-flange**, gray-transparent, standard, 5 pairs  
for series ER•4 / hf / mc / EK / etyBLU2 / GSP•15



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**865602 | Spare Eartip 3-flange**, gray, large, 5 pairs  
for series ER•4 / hf



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**865603 | Spare Eartip 3-flange**, transparent, large, 5 pairs  
for series mc / EK



**865604 | Spare Eartip, foam**, gray, 5 pairs  
for series ER•4 / hf / mc / EK / etyBLU2 / GSP•15



**865605 | Spare Eartip, glider**, gray, 3 pairs  
for series ER•4 / hf / mc / EK / etyBLU2 / GSP•15



### Wax Filters for Etymotic Research Earphones

**ACCU•Filter** (wax filter)

**865606 | green**, 6 pieces  
for series ER•4 / hf / GSP•15

**865607 | gray**, 6 pieces  
for etyBLU2

**865608 | white**, 6 pieces  
for series mc



### x-cap Spare Plugs

**865801 | 1 pair**  
**865805 | 5 pairs**



### Spare Attenuation Elements for epro Hearing Protection

**19821 | X.1M** Spare Attenuation Element, 1 piece  
**19822 | X.2M** Spare Attenuation Element, 1 piece  
**19823 | X.3M** Spare Attenuation Element, 1 piece  
**19824 | X.4M** Spare Attenuation Element, 1 piece  
**19825 | X.5M** Spare Attenuation Element, 1 piece



### Spare Silicone Adapter for epro-X.A Hearing Protection

**Silicone adapter for attenuation element in stainless steel  
in hard earmold**

**86509 | red**  
**86514 | blue**



## Spare Attenuation Elements for Hearing Protection

### Spare Attenuation Elements ER 9

- 19776 | **blue**, 1 piece
- 19777 | **red**, 1 piece
- 19896 | **beige**, 1 piece
- 19871 | **transparent**, 1 piece

### Spare Attenuation Elements ER 15

- 19876 | **blue**, 1 piece
- 19877 | **red**, 1 piece
- 19778 | **beige**, 1 piece
- 19779 | **transparent**, 1 piece

### Spare Attenuation Elements ER 25

- 19884 | **blue**, 1 piece
- 19885 | **red**, 1 piece
- 19783 | **beige**, 1 piece
- 19879 | **transparent**, 1 piece

### Spare Attenuation Element ER stop

- 19791 | **closed**, 1 piece

### Spare Attenuation Element ER bang

- 198460 | 1 piece

egger epro hearing protection earmolds have been type-tested by the European notified body and CE marked. Therefore they represent Personal Protective Equipment (PPE).

egger epro hearing protection devices may only be manufactured and brought into the market exclusively by egger Otoplastik+Labortechnik GmbH and its licensing partners.

### 197910 | Sound Tube Adapter for ER Earmold, 1 piece



## Recommended cedis Care Products

### cedis Disinfectant Spray eC3

Ready-made for cleaning and disinfecting (bactericidal, fungicidal and hepatovirucidal effect) hearing aids and earmolds.

Reaction time: 1 minute. Propellant-free.

- 86749 | **Disinfectant Spray mini**, 8 ml, with microfiber cloth



### cedis Disinfectant Wipes eC2

Moist wipes for quickly and effectively cleaning and disinfecting (bactericidal, fungicidal and hepatovirucidal effect) hearing aids and earmolds.

Reaction time: 1 minute

- 86801 | **Pocket Dispenser eC2.5** with 25 moist wipes

- 86802 | **Single Wipes eC2.3**, 25 pieces



Please note our complete cedis care and hygiene product line from page 58.

### The “Noise at Work” Regulation (EU) 2016/425 – A Great Challenge

New limit values regarding the daily noise exposure levels have come into force. The Directive mandates the wearing of hearing protection at the workplace. Different to the former Directive, the values of some sectors will be tightened. On the one hand because the exposure limit values have been reduced by 5 dB (A) and on the other hand because of new demands on the appraisal of risks. Where noise exposure exceeds the lower exposure action value of 80 dB (A) (up to now 85 dB (A)), the employer must make individual hearing protectors available to workers. Where noise exposure matches or exceeds the upper exposure action value of 85 dB (A) (up to now 90 dB (A)), individual hearing protectors must be used. This applies to the industry and craft sectors and professional musicians. Many companies must newly introduce or improve the wearing of hearing protection. The hearing protection earmold is often the right and in the long run the economical solution. This is an access for the active hearing aid acoustician to a new lucrative business sector. There is a need. The responsible persons in the companies depend on advice and support.

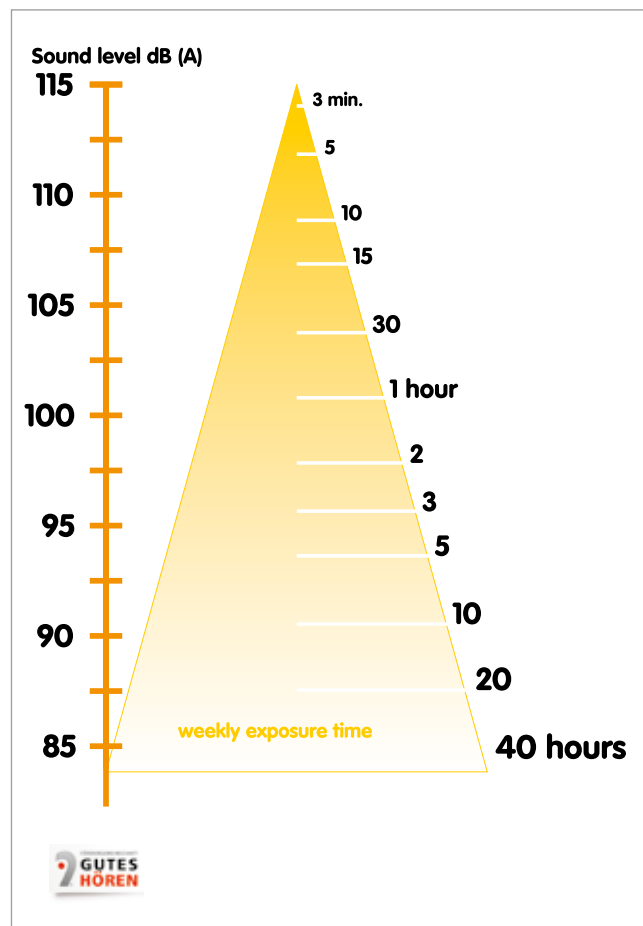
We will provide you with the necessary information on how to proceed professionally.

Please contact us.

Phone: +49 831 5811360

[www.egger.online](http://www.egger.online)

Hearing can suffer damage starting at a decibel intake of 85 decibel over a time period of 40 hours a week. At a volume of 95 decibel the time span of a safe noise level per week is reduced to a mere 4 hours.



# Laboratory Technique

Everything you need for the earmold production. So you can economically manufacture high-quality products. From full-range equipment for various manufacturing techniques over modular laboratory furniture to reliable material for your daily operation – here you will find everything from a one source supplier. Moreover, we offer an extensive care program and product presentation materials.



# Laboratory Technique

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# cedis Premium Hearing Aid Batteries

Test them now and be convinced! Made in Germany – premium quality from the world's largest and state-of-the-art production site. New product-line under the proven cedis brand with all of the benefits of the cedis loyalty point program. Available in sizes 10, 312, 13, 675.





## cedis Premium Hearing Aid Batteries

Within 30 years, cedis has grown to become a proven, strong brand and today forms a solid framework including sensible, useful hygiene and care products for everyday-HEARING.

This experience confirmed our resolution to extend the cedis brand.

The result:



- proven, reliable product quality "Made in Germany"
- produced in the world's largest and state-of-the-art production plant for hearing aid batteries
- cedis as quality promise with brand recognition
- available in sizes 10, 312, 13, 675
- color and number coding easy to understand
- visible seal of quality
- useful, simple and safe handling
- high capacity, long life
- excellent efficiency even at varying climatic conditions
- corrosion-free due to stainless steel casing
- usage of environmentally sound materials with recyclability
- mercury-free technology\*
- wireless approved – supports high energy demand of wireless technology in modern hearing systems

\*Since October 1, 2015 the sale of mercurial hearing aid batteries in Europe is prohibited.

### 78200 | ① Size 10

Packing unit:

10 Blister packs  
with 6 batteries each



### 78240 | ① Size 312

Packing unit:

10 Blister packs  
with 6 batteries each



### 78220 | ① Size 13

Packing unit:

10 Blister packs  
with 6 batteries each



### 78260 | ① Size 675

Packing unit:

10 Blister packs  
with 6 batteries each



### 31299 | Battery Tester

Small and easy-to-handle battery tester to determine how much power is left in your hearing aid battery. The LCD digital display will quickly indicate the current power level with an ascending bar. Applicable for all common hearing aid battery sizes (675, 13, 312, 10). With battery drawer and chain for attaching to key ring. Delivery in retail pack.



# Care Products

cedis is the brand for egger's comprehensive care program. cedis cleans and protects hearing aids, strengthens customer relations and generates continuous economic growth. Let the cedis quality boost your business success. Includes our customer loyalty program and satisfaction guarantee.





## **... the Brand-Care for Hearing Systems**

Effective through systematic set-up.

It is nice to have a perfectly matching product for every customer's request. cedis means systematic care. This strengthens your advisory competence, creates customer satisfaction, increases your company success.

cedis – the comprehensive care solution for every hearing system.

### **One brand – many advantages**

**Established:**

The international brand for professional care since 30 years.

**Comprehensive:**

The right care for every target group: Special offers, care sets, products for professional hygiene management

**Trusted:**

User-friendly from experience. Successful through sophisticated products.

**Unique:**

Available in up to 27 languages.

## Your advantages:

### Single or XXL

You order what you need. According to your demand and independent of minimum order quantities. Starting with 5 pieces you profit from our sliding-scale prices.

### cedis Satisfaction Guarantee

Demonstrate your confidence in the product with the cedis Satisfaction Guarantee. This means: cedis products can be returned within 3 months. Also when opened. Also when not satisfied. We will take the product back or exchange it free of charge.



### cedis – Constancy pays off

You order care products out of our cedis range. We credit you loyalty points – automatically with every order. You decide, when you want to trade them in and for what. The number of points that will be credited to your account is listed next to every product.



With 500 points, you can trade in your points for any product from our cedis range or the whole egger product range. Just inform us when you want to trade them in.

### cedis Hygiene and Care Products in 15 + 12 Languages

Your motivation, customer wishes and the need of further languages made us develop the cedis 15 + 12 language version for most of our products. We added 12 more to the existing 15 languages. Thus, cedis is probably the most spoken hygiene and care product line in the world:

DE, GB, NL, ES, PT, IT, FR, PL, RU, SE, NO, DK, TR, KR, AE  
FIN, HU, RO, BG, CZ, SK, XS, GR, HR, IL, LT, LV

We will be pleased to advise you and send detailed information.

## Our offer: Care for every level

### For starting

#### Care kits

Cleansing and Care kits are the ideal starters for a lasting customer relationship. They complete your service for an extensive hearing consultation. The kits are multifunctional and can be adjusted to different target groups.

### For lasting customer relations

#### Refill products

With your care program you create lasting customer relations. Enlarge your range with refill products for the successive demand. Profit from a regular additional business.

### Spontaneous and flexible

#### Products for traveling and special offers

For fast care on vacation or in transit, or as give-aways for your special offers. We offer products in special kits.

### For ultimate perfection

#### Products for professionals

Distinguish yourself as an innovative shop, with exceptional care products. Offer that special something. Doing so improves your image as a competent specialist – not only in sales.



## cedis [my.name]

Your name as a brand – with your own care range.

Brands create confidence and stand for individuality.  
Use your good name as a brand name. We make it possible.

You act as competent system supplier.  
You distinguish yourself from others.  
With an own custom-made care range, that offers everything your customer needs.

With cedis [my.name] you create confidence and lasting customer relations.

### Attractive

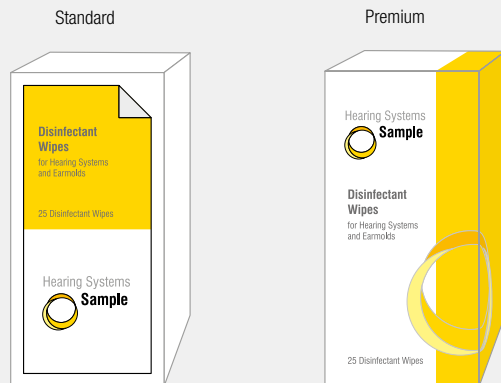
Attract your customers' attention with your own design with cedis [my.name] and thus create a profitable additional business.

### Individual

Your name as a brand – create your own reliable brand.

### Flexible

Order the products according to your demand, with a minimum order quantity of only 50 pieces, with short handling time.



## cedis [my.name] Standard:

The favorably-priced starting program.

Minimum order quantity: 50 pieces  
Ideal for testing new products  
No contractual commitments  
No additional charges, but with sliding-scale prices  
Attractive design  
Packaging with basic information in your desired language  
Including satisfaction guarantee

And this is how it works:

- Select products
  - Define color
  - Send your logo to us
- ... and there it is: your professional care program with your own name.

For your individual order form, please contact us under: +49 831 5811360

## cedis [my.name] Premium:

(Nearly) everything is possible.

You need care products in large numbers.  
You want a personalized design, adjusted to existing products.  
You wish to offer a different box size.  
You intend to amplify your product range with products besides standard.

Our offer: **cedis [my.name] Premium**

- Available with 1000 pieces
- Boxes are printed directly in all desired languages
- Free storing of products and packaging
- We will help you with the design

For detailed information, please contact us under: +49 831 5811360

## cedis e100.DS – Electrical Drying Station

Design and engineering "Made in Germany". With love for details. Even while unpacking, the drying station with its appealing design will draw attention. Only as large as common storage cases for hearing systems, neat equipment features set new standards in the effectiveness, the customer use and the user friendliness.



### Starting from only 50 units with your good name

- logo print (lid) possible starting from an order quantity of only 50 units
- in case of interest in a custom color for the housing we will gladly advise you on the current conditions

## 87470 | 5 **cedis e100.DS – Electrical Drying Station**

### Effectiveness

- in the generous hygiene chamber the air is evenly warmed via an electrical heating control and a miniature fan
- hearing systems, in-ear-monitoring etc. are freed gently and reliably of condensation and perspiration at a drying temperature of  $45^{\circ}\text{C} \pm 5^{\circ}\text{C}$  ( $113^{\circ}\text{F} \pm 9^{\circ}\text{F}$ )
- effective contribution to operational safety and the protection of the sensitive electronics and the coating of the components

### Function

- touch-sensitive operational selection / On / Off button
- 1.5-hour mode for regular moisture accumulation
- 3-hour intensive mode for great moisture accumulation
- continuous, multi-tiered temperature surveillance
- safety switch-off in case of failure with visual error display
- automatic switch-off after the end of the drying process

### Hygiene chamber

- sufficient room for drying and storing, e.g. hearing systems with earmolds, Cochlea Implant BTE processors, earphones etc.
- separator in the floor area for optimum all-around air circulation
- integrated fixation for the optionally available stainless steel basket, e.g. for use during heightened need for disinfection and sterilization as a result of ear illnesses

### Optional features

- lid with intuitive opening notch and practical magnetic lock
- cosmetic mirror as removal / insertion help

#### Power supply unit:

Input AC 100–240V ~ 50/60 Hz; Output DC 5V, 1000 mA

Temperature range:  $45^{\circ}\text{C} \pm 5^{\circ}\text{C}$  ( $113^{\circ}\text{F} \pm 9^{\circ}\text{F}$ )

Outer dimensions: W 95 x D 83.5 x H 35 mm

Interior dimensions chamber: W 77 x D 55 x H 19 mm

Weight: 120 g

LED display: Light emitting diode with color change function

#### Accessories:

874702 | **Stainless steel basket**

874922 | **Power supply unit (EU version) incl. USB-Wire**



87471 | 5 **Complete Set cedis e100.DS –**

**Electrical Drying Station including stainless steel basket**

## cedis e150.DUS – The Electrical “good + affordable” Hygiene Station

The e150.DUS hygiene station leaves its unique fingerprint with its attractive look and its excellent price/performance ratio. “good + affordable” stands for extensive equipment, simple handling and affordable price. Included in the core functions are hygienic cleaning with UV-C light, electrical drying, and the hygiene chamber with storage option. The small, yet subtle difference is found, for example, with the moderate heat generation in the hygiene chamber, especially made for drying rechargeable hearing systems. Or the deftly-designed recess underneath the cover, protecting the mostly high-quality In-Ear monitoring cables from getting clamped accidentally.





87480 | **5** **cedis e150.DUS – The Electrical “good + affordable”**  
**Hygiene Station**

### Effectiveness

- hygienic cleaning with two opposing UV-C light sources
- UV-C light (approx. 8 minutes) reduces the accumulation of germs on hearing systems, earmolds, etc., thereby minimizing the risk of skin infection in the ear
- the specially produced light source emits the UV-C light from two opposite sides
- opening of equipment lid deactivates operation with protection switch

### Function

- function-maintaining drying with electrical heating
- gentle process with heat development and natural air circulation (approx. 142 minutes)
- even distribution of heat in the hygiene chamber ensures that the accumulated moisture escapes reliably from hearing systems and earmolds
- sensitive electronic components and coatings are protected from extreme exposure and strain
- moderate heat generation, especially for the drying of rechargeable hearing systems

### Multifunctional hygiene chamber

- offers sufficient room for most established hearing aids, earmolds, CI processes, bone conduction systems, electronic ITE/BTE hearing protection, In-Ear monitoring, etc.
- separators in the floor area for overall air circulation
- recess underneath the equipment lid serves as a feedthrough for In-Ear monitoring cable
- when not worn, the hearing systems, earmolds, etc. can be stored in the hygiene chamber

### User-friendly equipment lid

- generous notch for easy opening of equipment lid
- lid closes with magnetic lock

### Intuitive handling

#### Fully automated process

- touch-sensitive switch-on sensor
- five colored LEDs signalize UV-C operation or drying (approx. 150 minutes in total)
- after approx. 30 minutes a light emitting diode switches off, thereby signaling the remaining operating time
- automatic switch-off at program end
- active heating monitoring and reliable overheating protection contribute to operational safety

### Flexible power supply

- power supply with provided mains adapter
- function with provided USB-mini-cable/USB-cable at computer USB2 connection

UV-C wave length: 253.7 nm (ozone-free)

Power supply: input AC 100–240V ~ 50/60 Hz; output DC 5V, 1000 mA

Work environment: 10 °C to 37 °C (50 °F to 99 °F); maximum 80 % relative humidity

Temperature range: at 40 °C ± 3 °C (104 °F ± 37 °F)

Outer dimensions: W 115 x D 86 x H 38 mm

Interior dimensions hygiene chamber: H 22 mm; top W 65 x D 57 mm;  
bottom W 58 x D 50 mm

Weight: 140 g

LED display: 5 LEDs (every 30 minutes one LED switches off)

Accessories:

874802 | **Power supply unit (EU version) incl. USB-Wire**



## cedis e300.DUS – Electrical Hygiene Station in most appealing design

The second generation shows the basic functions consequently enhanced: UV-C light, electrical drying, storage. In addition, practical empirical values and references of users worldwide influenced product development. The new hygiene station is now presented with innovative facilities and valuable additional functions – in most appealing design.



### Starting from only 50 units with your good name

- logo print (lid) possible starting from an order quantity of only 50 units
- in case of interest in a custom color for the housing we will gladly advise you on the current conditions

87493 | 5 **cedis e300.DUS – Electrical Hygiene Station**  
in most appealing design

### Effectiveness

- hygienic cleaning with circumferential UV-C light source
- UV-C light reduces accumulation of germs on hearing systems, earmolds etc. and reduces risk of skin infection in ear
- the specially developed light source flushes the hygiene chamber from four sides with UV-C light (5 minutes)
- the efficiency of UV-C light in hygiene chamber was tested by accredited laboratory\*
- opening of equipment lid deactivates UV-C function with protection switch

### Function

- function maintaining drying with fan supported heating
- air is warmed up with electrical heating regulation
- a miniature fan forwards warm air into hygiene chamber (approx. 3 hours)
- permanent air circulation makes cumulated condensed water or sweat escape gently and efficiently (blow-dryer principle)
- sensitive electronic components and coatings are protected from extreme exposure and strain

### Multifunctional hygiene chamber

- offers sufficient room for most well-established hearing aids, CI-processors, bone conduction systems, electronic ITE/BTE hearing protection, In-Ear-Monitoring etc.
- semicircle separator in floor area for overall air circulation
- outsize side wall openings favor spreading of UV-C light in hygiene chamber
- modularly insertable stainless steel basket (optionally available) serves as extremely sanitary hygiene chamber for easy disinfection and sterilization – an indispensable must-have, e.g. with ear infections
- apart from wearing times, hearing systems, earmolds etc. may be stored in hygiene chamber

### User-friendly equipment lid

- generous notch for easy opening of equipment lid
- lid closes with magnetic lock
- practical cosmetic mirror at inside of lid as visual support for insertion or removal of hearing systems, earmolds etc.

### Intuitive handling

#### Fully automated process

- touch-sensitive switch-on sensor
- automatic switch-off after program end (after 3 hours)
- three light emitting diodes (LED) signalize UV-C function (blue) and drying (green)
- light emitting diodes switch off successively and signalize remaining operating time
- an active control of heater/fan and the reliable overheating protection contribute to operating safety; in case of failure equipment switches off with visual error display

#### Flexible power supply

- power supply with provided mains adapter
- function with provided USB-mini-cable/USB-cable at computer USB connection

UV-C wave length: 253.7 nm (ozone-free)

Power supply: input AC 100–240V ~ 50/60Hz; output DC 5V, 1000 mA

Work environment: 10 °C to 40 °C (50 °F to 104 °F); maximum 80 % relative humidity

Temperature range: at 40 °C (+2 °C/-5 °C) – at 104 °F (+36 °F/-23 °F)

Outer dimensions: W 128 x D 86 x H 35 mm

Interior dimensions hygiene chamber: W 77 x D 55 x H 19 mm

Weight: 220 g

LED display: light emitting diode with color change

#### Accessories:

874932 | **Stainless steel basket**

874922 | **Power supply unit (EU version) incl. USB-Wire**



87494 | 5 **Complete Set cedis e300.DUS –**  
**Electrical Hygiene Station including stainless steel basket**

\*The germ-reducing effect of the UV-C light in the cedis e300.DUS sanitization chamber was successfully tested on the micro-organisms "Staphylococcus aureus subsp. Aureus", "Pseudomonas aeruginosa", "Candida albicans" and "Streptococcus mutans" by SGS, Taiwan Ltd.

#### 87416 | ② cedis Cleaning and Drying Set for Slim Tubes and Open Fit Hearing Systems eSET11

Open fit hearing systems require special cleaning and drying products. To this end, cedis also offers the best solution: The comprehensive care set, packed in an attractive transparent bag, for the cleaning and drying of open fit hearing aids. Suitable for all kinds of established slim tubes! With the special hygiene threads your slim tubes will be dried effectively. Before this step, the cleansing tablets with active oxygen will provide an optimum cleaning. Drying capsules (with color indicator) and the drying container for the drying of hearing aids complete the set.

##### Contents:

- 8 cleansing tablets eC5.3
- 1 cleaning container eC5.11 with sieve
- 10 hygiene threads eT3.3 for slim tubes with  $\emptyset \leq 0.9 \text{ mm}$
- 4 drying capsules eD2.3
- 1 drying container eD2.11



Cleaning of open fittings made easy



#### 87000 | ② cedis Cleaning Set eSET3 for BTE Earmolds

The bestseller providing the basic equipment for the cleaning of BTE earmolds! This cleaning set guarantees an optimum cleaning, using the special cleansing tablets with active oxygen. The air blower (with metal tip) cleans the sound tube effectively.

##### Contents:

- 8 cleansing tablets eC5.3
- 1 cleaning container eC5.11 with sieve
- 1 air blower eT2.3



#### 87001 | ② cedis Cleaning Set eSET3 for BTE Earmolds in Travel Bag

#### 87400 | ② cedis Cleaning and Drying Set eSET5 for BTE Earmolds and Hearing Systems

The all-rounder for cleaning BTE earmolds and drying hearing systems! Composition same as BTE cleaning set plus drying capsules (with color indicator) and drying container for the reliable drying of hearing systems over night.

##### Contents:

- 8 cleansing tablets eC5.3
- 1 cleaning container eC5.11 with sieve
- 1 air blower eT2.3
- 4 drying capsules eD2.3
- 1 drying container eD2.11



#### 87401 | ② cedis Cleaning and Drying Set eSET5 for BTE Earmolds and Hearing Systems in Travel Bag

### 87340 | ② cedis Drying Set eSET2.3

The established drying capsules (with color indicator) for the reliable and optimum drying of hearing systems over night with drying bag.

#### Contents:

- 4 drying capsules eD2
- 1 drying bag eD2.14



### 87344 | ② cedis Drying Set eSET2.5

The established drying capsules (with color indicator) for the reliable and optimum drying of hearing systems over night with drying container.

#### Contents:

- 2 drying capsules eD2
- 1 drying container eD2.11



### 87002 | ② cedis Cleaning and Drying Set eSET7 for ITE with Spray

The complete set for the cleaning and drying of ITE hearing systems! Set with disinfectant spray with brush for a great cleaning even with persistent deposits. Includes drying capsules (with color indicator) and drying container for the reliable drying of hearing systems over night.

#### Contents:

- 1 disinfectant spray eC3.7 (30 ml) with brush
- 4 drying capsules eD2.3
- 1 drying container eD2.11



### 87003 | ② cedis Cleaning and Drying Set eSET7 for ITE with Spray in Travel Bag

### 87004 | ② cedis Cleaning and Drying Set eSET9 for ITE with Wipe

The all-in-one set for the cleaning and drying of ITE hearing systems! The set contains disinfectant wipes in a practical pocket dispenser for fast and handy cleaning. Includes drying capsules (with color indicator) and drying container for the reliable drying of hearing systems over night.

#### Contents:

- 1 wipe dispenser eC2.5 (25 wipes)
- 4 drying capsules eD2.3
- 1 drying container eD2.11



### 87007 | ② cedis Cleaning and Drying Set for ITE eSET9 with Wipe in Travel Bag

### 87198 | ① cedis Travel Bag, black

Practical bag, made of high-quality material, with zipper for filling with hygiene products of your choice. The robust bag is also a practical companion when traveling. We are pleased to assemble the travel bags for you starting at a minimum order quantity of 100 bags.

### 870220 | Travelbag, black (neutral)



Travel bags with hygiene products of your choice



Sample

### 87300 | ① **cedis Drying Capsules eD2**

The established drying capsules (with color indicator) for the reliable and optimum drying of hearing systems over night.

**Box eD2.3** with 4 drying capsules



And don't forget our matching and handy drying container eD2.11.

### 87305 | ① **cedis Drying Container eD2.11**, 150 ml

For the drying of hearing systems with drying capsules.



### 80211 | ① **cedis Drying Bag eD2.14**

The handy alternative to the drying container eD2.11, e.g. when traveling!  
Foldable drying bag with hook tape fastener. For use with drying capsules eD2.3.

140 mm x 98 mm



### 87100 | ① **cedis Cleansing Tablets eC5**

Cleans reliably and removes persistent cerumen deposits from BTE earmolds. With active oxygen.

**Box eC5.3** with 20 tablets



And don't forget our matching and handy cleaning container with sieve eC5.11.

### 80200 | ① **cedis Cleaning Container eC5.11**, 150 ml

For cleaning BTE earmolds with cedis cleansing tablets. Sieve with integrated removal help!

**Container eC5.11**, incl. sieve and lid



### cedis Disinfectant Wipes eC2

Moist wipes for quickly and effectively cleaning and disinfecting (bactericidal, fungicidal and hepatovirucidal effect) hearing systems. Reaction time: 1 minute

#### For retail sales:

- 86801 | ① **Pocket Dispenser eC2.5** with 25 moist wipes
- 86804 | ① **Refill Pack eC2.5.F** for pocket dispenser (25 wipes)
- 86802 | ① **Single Wipes eC2.3**, 25 pieces

#### For retail sales and sales campaigns:

- 86805 | ⑩ **Box** with 1000 single cedis disinfectant wipes eC2

For our practical sales counter display please see page 201.

#### For use in the laboratory and shop:

- 87200 | ① **Large Dispenser eC2.7** with 90 moist wipes
- 87204 | ① **Refill Pack eC2.7.F**, 90 pieces



### cedis Disinfectant Spray eC3

Ready-made for cleaning and disinfecting (bactericidal, fungicidal and hepatovirucidal effect) hearing systems. Reaction time: 1 minute. Propellant-free.

#### For retail sales:

- 86749 | ① **Disinfectant Spray mini eC3.3**, 8 ml, with microfiber cloth
- 86701 | ① **Disinfectant Spray with Brush eC3.7**, 30 ml
- 86704 | ① **Disinfectant Spray with Atomizer eC3.7**, 30 ml
- 86703 | ① **Disinfectant Spray Refill Bottle eC3.7**, 30 ml

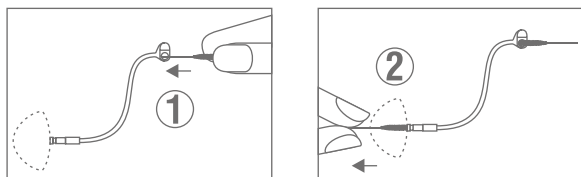
#### For use in the laboratory and shop:

- 86700 | ① **Disinfectant Spray with Atomizer eC3.9**, 100 ml



### cedis Hygiene Threads eT3

Special cleaning threads for sound tubes with different inner diameters, ideal for open fit hearing aids.



**78030 | ① Hygiene Threads eT3.5** for inner diameter > 0.9 mm  
Dispenser box with 30 threads



**Hygiene Threads** for inner diameter ≤ 0.9 mm

**78036 | ① Dispenser Box eT3.7** with 100 pieces  
**78039 | ① Bag eT3.3** with 10 pieces



Care for open fit hearing aids also available as small package

### 78041 | ① cedis MultiTool eT4.3

Special tool with magnet for easy removal of batteries. The integrated brush and synthetic thread are ideal for removing persistent deposits in slim tubes.

Transparent pillow pack with 5 MultiTools



### cedis VentBrush eT3.9

Special brushes to clean sound canals and vents. Available in two different diameters.

Contents: 10 pieces

**78025 | ① Ø 2.5 mm**  
**78026 | ① Ø 5.0 mm**



**82400 | ① cedis Air Blower eT2.3**, blue with chrome-plated metal tip  
Ergonomically shaped air blower with very slim chrome-plated metal tip for blowing out sound tubes and vents.





### cedis AirPower eT2

The comfortable alternative to the air blower! Air spray to blow out sound canal bores and ventings. With conical tip for easy handling.

- 82551 | ① **Spray eT2.5**, 35 ml (for approx. 50 applications)  
82554 | ⑤ **Box** with 12 sprays eT2.5  
82550 | ① **Spray eT2.7**, 100 ml (for approx. 150 applications)  
82552 | ⑤ **Box** with 12 sprays eT2.7



### cedis Gel eSC2.3

Skin care gel with feel-good effect! The gel with Aloe Vera to prevent irritations. The gel is absorbed by the skin and eases insertion of the earmold. For best wearing comfort, use the gel before and after wearing the hearing system.

- 31880 | ① **Tube** with 5 ml  
31883 | ⑤ **Sales Display** with 30 tubes



### cedis Promotion Assistance

In order to support your sales activities, we can supply you with free information brochures for your customers.

- 79923-E (Leaflet „Yes to Hygiene and Care for everydayHEARING“)
- 7964511 (Leaflet “cedis Hygiene and Care Products for everydayHEARING”)
- 874708 (Leaflet “cedis e100.DS UV-C Light. Drying. Storage”)
- 874807 (Leaflet “cedis e150.DUS UV-C Light. Drying. Storage”)
- 79928-EN (Leaflet “cedis e300.DUS 360° UV-C Light. Drying. Storage.”)

cedis animations – for use in the waiting area, fitting room, display window, as support material for the instruction for correct handling of hygiene and care products, as an eye-catcher.

Just ask for them!



Further presentation products from page 194

# Hygiene and Safety at the Workplace

cedis Profi for professional hygiene management at the workplace. For the demanding hearing aid acoustician quality is the highest priority. Directly linked to this is hygiene at the highest level. A clean, healthy, germ-free work method is therefore of central importance of today's quality management. Protect yourself and your customer.





cedis Profi products offer a comprehensive and professional disinfection and hygiene program for the entire spectrum of hearing aid acoustics.

## Hygiene – A Must

The risk of contracting dangerous or simply uncomfortable pathogens is increasing, especially for people working in medical or medical-related professions. Hearing aid acousticians are among these groups. The only effective aid against this is professional hygiene, i.e.: Infection prevention. Thus it is necessary to be able to recognize and correctly assess the dangers of infection.

Efficient prevention is subsequently guaranteed by adhering to

- organizational measures,
- cleaning,
- disinfecting.

## PREVENTIVE – EFFECTIVE – SAFE



### Preparations for Cleaning Hands and Skin

Clean hands are a must for every hearing aid acoustician. Only then a customer will feel comfortable. Only then a transfer of germs can be safely avoided. Consequent hand hygiene includes:

- removal of all relevant pathogenic germs,
- an optimal skin-compatible cleaning,
- regular care.



### Preparations for Disinfecting Tools, Instruments and Earmolds

Regularly disinfecting and cleaning all tools, instruments and earmolds used in daily operation is essential. Objects contaminated by dirt, body fat and pathogenic germs may lead at worst to the transfer of dangerous micro-organisms. The consequent use of highly effective preparations protects you and your customer.



### Preparations for Disinfecting Surfaces

All surfaces of your working environment must be disinfected and cleaned regularly. Only then a germ transfer from the work environment to instruments and ultimately to people can be avoided. Only consequent hygiene in all areas provides comprehensive protection.










## Professional Systematic Hygiene

Hygiene is not reserved for only a special few. All employees must make sure that the entire working environment is kept clean. Our hygiene plan provides clarity about the necessary steps. The plan (size: DIN A3) includes a summary of the different applications and suitable products, free of charge and for hanging in your shop.

### With the egger hygiene plan you will find everything you need to know at a glance:

- What do I need to do?
- Which product do I need to use?
- How do I use it?

The products are easy to use due to a perfectly matching system.

| What   | When   | How  | Product / Dosage / Exposure Time  |
|--|--|--|---|
| Hands<br>                         | before/after each customer or hearing aid contact<br>when necessary / after finishing work | Removal of relevant pathogenic germs by rubbing with antimicrobial gel or liquid. Also for used without water and towel.<br>Rub in for skin care.  | cedis Profi Gel HD/2 or cedis Profi Fluid HD – 30 seconds exposure time<br>cedis Profi CARE   |
| Mouth / Nose<br>                  | at every contact   | Never touch the mask with contaminated hands and never touch the mouth area of the mask.   | one mouth-and-nose protector / day per employee   |
| Hearing Aid<br>                   | before/after each service  | Spray with cleaning disinfectant, then dry thoroughly with a moisture absorbing cloth after exposure time.<br>Wipe with cleaning disinfectant, then dry thoroughly with a moisture absorbing cloth after exposure time.  | cedis disinfectant spray<br>1 minute exposure time<br>cedis disinfectant wipes<br>1 minute exposure time  |
| Earmold<br>                       | before/after each service  | Disinfecting and cleaning in the immersion- or ultrasonic bath, then dry thoroughly with a moisture absorbing cloth after exposure time.   | cedis Profi UltraActiv, 7.5 %<br>1 minute exposure time   |
| Impression<br>                    | after impression taking  | Wipe with cleaning disinfectant, then dry thoroughly with a moisture absorbing cloth after exposure time.  | cedis disinfectant wipes<br>1 minute exposure time  |
| Tools / Medical Instruments<br>  | after each application   | Spray with cleaning disinfectant, then dry thoroughly with a moisture absorbing cloth after exposure time.<br>Wipe with cleaning disinfectant, then dry thoroughly with a moisture absorbing cloth after exposure time.<br>Disinfecting or cleaning in the immersion- or ultrasonic bath, then dry thoroughly with a moisture absorbing cloth after exposure time. | cedis disinfectant spray<br>1 minute exposure time<br>cedis disinfectant wipes<br>1 minute exposure time<br>cedis Profi UltraActiv, 7.5 %<br>1 minute exposure time |
| Workplace / Medical Devices<br> | before/after each customer or hearing aid contact  | Wipe with cleaning disinfectant, dry off after exposure time.  | cedis Profi SURFACE 2<br>1 minute exposure time   |
| Earphones<br>                   | after each application   | Wipe with cleaning disinfectant, then dry thoroughly with a moisture absorbing cloth after exposure time.  | cedis disinfectant wipes<br>1 minute exposure time  |
| Otoscope Funnel<br>             | after each application   | Disinfecting or cleaning in the immersion- or ultrasonic bath, then dry thoroughly with a moisture absorbing cloth after exposure time.  | cedis Profi UltraActiv, 7.5 %<br>1 minute exposure time   |

## cedis Profi offers

- everything from one source,
- sliding-scale prices,
- favorably-priced starter sets.

Examined and tested. For your safety.



All beginnings are easy



### cedis Profi Starter Set

Be on the safe side from the very beginning! Favorably-priced complete packages of cedis Profi products for a professional hygiene management at work.

#### 862502 | cedis Profi Starter Set Slim

##### Contents:

cedis Profi CARE, 500 ml with portioning pump  
cedis Profi SURFACE 2, 500 ml in spray bottle  
cedis Profi UltraActiv, 500 ml with portioning pump  
50 ml glass for ultrasonic device, 10 pieces  
100 ml measuring beaker



#### 862512 | cedis Profi Starter Set Advanced

Same composition as Starter Set Slim, yet with practical wall-mounted dispenser for hand disinfectant.



### cedis Profi UltraActiv

Concentrate for disinfecting and cleaning earmolds and instruments, free of phenol and aldehyde, effective against bacteria, fungi, HBV and HIV viruses. For use in ultrasonic devices. The 7.5 % solution (75 ml/1000 ml) is fully effective after a 1-minute exposure time.

**86208 | 500 ml bottle with portioning pump**

**862081 | 2 l bottle**



● 7,5 % ● 92,5 %

25 pump strokes (1 stroke = 3 ml)  
for a total of 1000 ml.



For ultrasonic cleaning devices, please see page 124, 184.

### 86770 | cedis Profi Cleaner

Ready-made spray for cleaning and disinfection (bactericidal, fungicidal and hepatovirucidal) of hearing aids and earmolds – in the handy one liter bottle with hand spray pump, propellant-free. Exposure time: 1 minute.

**1 liter bottle with hand spray pump**



### 862130 | cedis Profi Gel HD/2 – hand disinfection,

500 ml, bottle with portioning pump

Skin-friendly and fast-acting (30 sec.) gel for hygienic hand disinfection. Effective against SARS-CoV-2, bacteria and enveloped viruses. Tested according to EN 1500 and EN 14476. Original Dermatest guarantee “very good”.

**862132 | Refill bottle, 500 ml**

“This item is currently only available in Germany”.



### 862120 | cedis Profi Fluid HD – hand disinfection,

500 ml, bottle with portioning pump

Skin-friendly and fast-acting (30 sec.) alcohol-based hand disinfectant. Effective against bacteria and enveloped viruses. Tested according to EN 1500 and EN 14476. Original Dermatest guarantee “very good”.

**862122 | Refill bottle, 500 ml**

“This item is currently only available in Germany”.



### 86207 | cedis Profi CARE, 500 ml, bottle with portioning pump

Lotion for the cosmetic hand and skin care. Apply after using hand disinfectant. Lotion absorbs quickly, is non-greasy and smells pleasantly.



### 86214 | cedis Profi SURFACE 2

Ready-to-use disinfectant for small areas and equipment in doctor's offices, retirement homes and clinics. Exposure time: 1 minute. Effective against bacteria, viruses (HBV/HIV) and fungi (Candida albicans).

500 ml bottle



### 862059 | Wall Dispenser

Handy dispenser for the wall mounting. The necessary amount of hand disinfectant can be taken out with a push down lever, operated by elbow. Pump stroke is adjustable from 0.75 – 1.5 ml.



### Medical Disposable Face Mask Type IIR, 50 pieces

#### 74830 | for Adults

#### 74831 | for Children (recommended from 6 – 12 years of age)

- Type IIR according to the standard: EN 14683:2019 + AC:2019
- High filter efficiency, BFE  $\geq 98\%$
- Resistant to fluid and blood
- Soft, breathable and hypoallergenic
- Nose piece fully adjustable



### 74820 | FFP2 NR Mask, 5-layer, 50 pieces

Filtering FFP2 face/half mask

- Tested and CE certified according to the standard EN 149:2001+A1:2009
- Efficient 5-layer filter system
- The face mask provides for a good view due to the adjustable nose piece and a deep fitting
- Mask for single use
- Hygienic, individually packed



### 74835 | Mask holder, flexible adjustable holder for protective masks, black, 10 pieces

Provides relief and wearing comfort while wearing a face mask. No pressure from the mask elastic on the ears, hearing system or glasses. Flexible, yet stable.



# Impression Technique

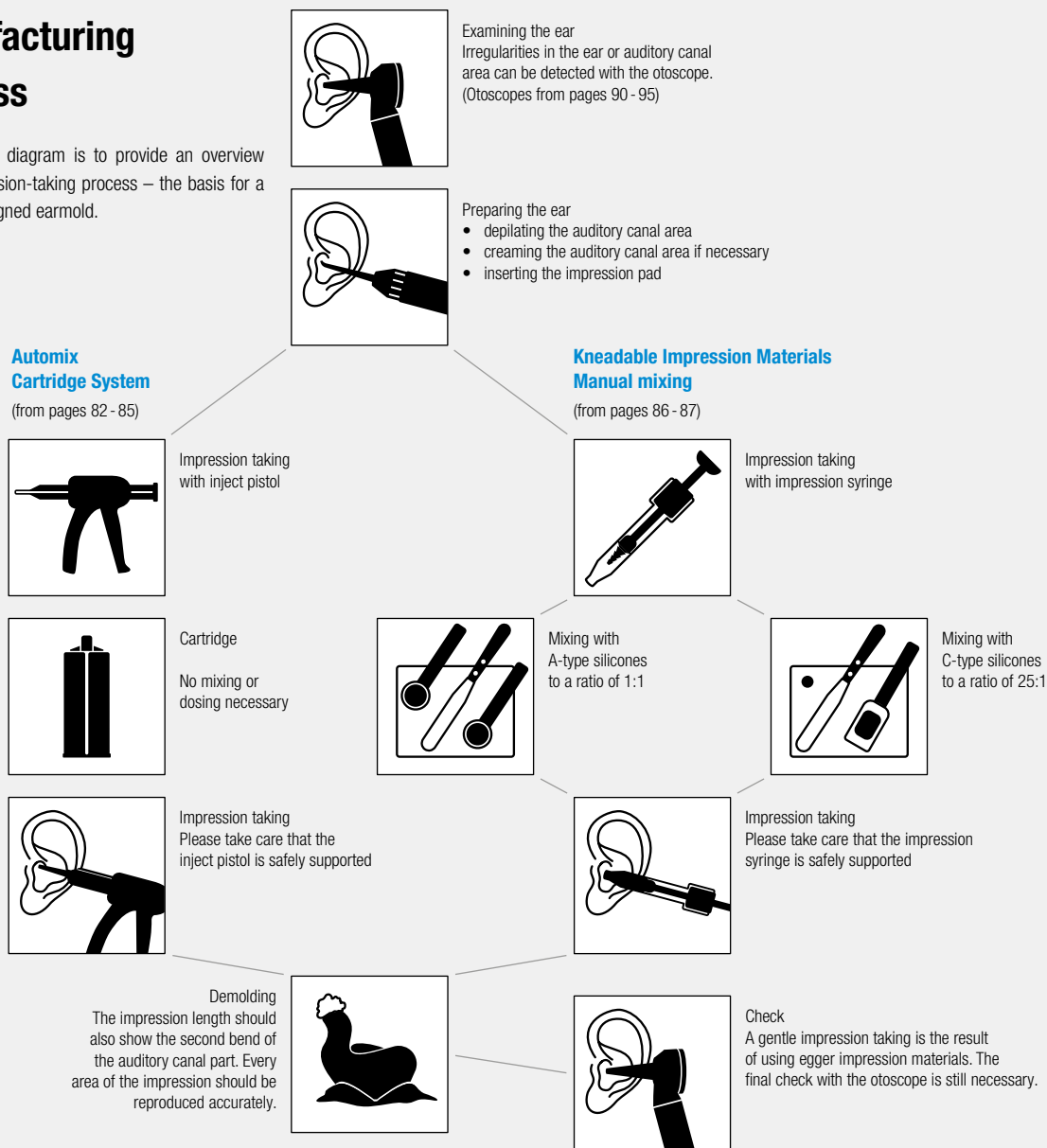
A precise ear impression is the prerequisite for a perfectly fitting earmold. The higher the quality of the impression material and suitable special tools, the easier, more comfortable and more successful the impression-taking process for the customer. egger impression technique offers all the suitable necessities: the tools, the material. For every step of the process.





# Manufacturing Process

The following diagram is to provide an overview of the impression-taking process – the basis for a perfectly designed earmold.














# The egger Impression Materials

Material characteristics, the impression-taking method and, last but not least, personal preferences influence the procedure of impressing an ear. We are pleased to advise and support you in finding an individualized solution for your demands. Choose the right impression material.

We provide you the opportunities to decide on:

1. The type of processing:
  - with the impression syringe or the injection pistol
2. The dosage:
  - addition-vulcanizing egger impression materials with a mixing ratio of 1:1
  - condensation-vulcanizing egger impression materials with hardening pastes
3. The flowability:
  - the lower the viscosity the higher the flowability
4. The final degree of hardness:
  - the higher the shore value the harder the impression, measured after 1 hour of hardening

| Material   | Colors | Smoothness<br>Consistency | Flowability<br>low – high | Final degree of<br>hardness in<br>shore A after 1 h | Impression taking with  |                  |                     |
|--|--------|---------------------------|---------------------------|---|---|------------------|---------------------|
|  |        |                           |                           |   | Inject<br>pistol 2in1   | Inject<br>pistol | Injector<br>S/II 50 |
| <b>Addition-vulcanizing (1:1), material in cartridges</b><br><b>Impression taking with inject pistol / Injector S 50</b> |        |                           |                           |   |    |                  |                     |
| egger A/soft<br>egger A/soft S 50       | ○ ●    | soft                      | <div></div>               | 35  | X   | X                |                     |
| egger A/ITE<br>egger A/ITE S 50         | ○ ●    | very soft                 | <div></div>               | 34  | X   | X                | X                   |
| egger A/II S 50                         | ● ●    | normal                    | <div></div>               | 40  | X   |                  | X                   |
| egger A/rapidPRO S 50                   | ○ ●    | soft                      | <div></div>               | 38  | X   |                  | X                   |
| <b>Addition-vulcanizing (1:1), kneadable</b><br><b>Impression taking with impression syringe</b>                         |        |                           |                           |   | <b>Impression taking with syringe</b>   |                  |                     |
| egger A                                | ○ ●    | normal                    | <div></div>               | 36  |  |                  |                     |
| egger A/I                             | ○ ●    | very soft                 | <div></div>               | 26  |   |                  |                     |
| egger A/II                            | ○ ●    | soft                      | <div></div>               | 40  |   |                  |                     |
| <b>Condensation-vulcanizing with hardener, kneadable</b><br><b>Impression with impression syringe</b>                    |        |                           |                           |   | <b>Impression taking with syringe</b>   |                  |                     |
| egger C/II                            | ●      | very soft                 | <div></div>               | 25  |  |                  |                     |

## Addition-Vulcanizing Impression Materials in Automix Cartridge System

The Automix cartridge system offers a safe, hygienic and mess-free application method because manual mixing is no longer necessary. With this system you will more easily fulfill the workplace hygiene regulations that have become legally binding in many countries. Another advantage is the fact that the material is always ready for use, thus enabling you to always concentrate on your customer. egger can offer you four different types of impression materials in the cartridge systems **standard** and/or **S 50**.

### egger A/soft


Silicone impression material in double cartridges with an extremely easy flow and a high degree of form stability, non-sticky and smooth. Consisting of 2 components: white and blue.

#### Packaging unit:

8 double cartridges with 2 x 25 ml each,  
sufficient for approx. 40 impressions  
Please note our sliding-scale prices!

Final degree of hardness: 35 shore A

20600 | in standard cartridge 

20617 | in S 50 cartridge 



### egger A/rapidPRO S 50

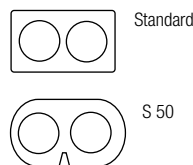
Silicone impression material in double cartridges with an extremely short setting time, easy flow and a high degree of form stability, non-sticky and smooth. Consisting of 2 components: white and orange.

#### Packaging unit:

8 double cartridges with 2 x 25 ml each,  
sufficient for approx. 40 impressions  
Please note our sliding-scale prices!

Final degree of hardness: 38 shore A

20629 | in S 50 cartridge 



### egger A/ITE


Silicone impression material in double cartridges with a very soft consistency, an extremely easy flow and a high degree of form stability. Impression taking with minimum pressure possible, especially suited for CIC impressions and those of small ear canals. Consisting of 2 components: white and pink.

#### Packaging unit:

8 double cartridges, each containing 2 x 25 ml,  
sufficient for approx. 40 impressions  
Please note our sliding-scale prices!

Final degree of hardness: 34 shore A

20604 | in standard cartridge 

20608 | in S 50 cartridge 



### egger A/II S 50

Silicone impression material in S 50 double cartridges of soft, slightly pressure-forming consistency. Due to its high viscosity, the material is characterized by impression exactitude, tensile strength and form stability. Consisting of 2 components: red and red.

#### Packaging unit:

8 double cartridges with 2 x 25 ml each,  
sufficient for approx. 40 impressions  
Please note our sliding-scale prices!

Final degree of hardness: 40 shore A

23707 | in S 50 cartridge 



### 25120 | Inject Pistol 2in1

The shape of the injector was designed under ergonomic aspects and at the same time has obtained an attractive design. Ear impressions are carried out easily with the injector due to an optimum leverage ratio. Even during continuous use, the injector rests well in one's hand and offers excellent results through steady pressure. Due to the standard scope of delivery of two adapters and two pistons, the 1:1 cartridge systems S 50 and standard can be applied using one injector. The modification is simple, no tools needed.



#### Contents:

Injector

Piston S 50, adapter S 50

Piston standard, adapter standard



### 25100 | Inject Pistol

For inserting standard double cartridges for impression taking. By using the inject pistol, the impression material (egger A/soft, egger A/ITE) can be delivered to the ear while applying the same steady pressure. Range-reduction spacer for small hands included.



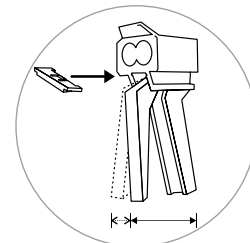
### 25144 | Injector S/II 50

The elegant, innovative design characterizes this inject pistol for the use of highly viscous two-component silicone impression material in S 50 double cartridges (i. e. egger A/soft, egger A/rapidPRO, egger A/ITE, egger A/II). The injector S/II 50 enables precise, simple and fatigue-proof use in daily practice in a self-explanatory way.



### 25156 | Spacer for Inject Pistol

Range-reduction spacer for small hands.



### Mixing Canulas, standard

Attachment for standard double cartridges for automatic mixing of the impression material.

Inner diameter (tip): 4.8 mm

Diameter (total): 6.75 mm



61403 | 50 pieces

61402 | 100 pieces



#### 61420 | **Mixing Canulas Slim**, 50 pieces

Mixing canulas with a small diameter for standard double cartridges. Therefore ideally suited for impression taking of small auditory canals (e.g. for a child's fitting). Saves up to 50 % of material. No additional attachments necessary. Can also be used for applying silicone cold-curing materials to negative molds during the indirect technique.

Inner diameter (tip): 1.2 mm

Diameter of syringe (total): 4.75 mm



#### **Mixing Canulas S 50** for egger A/soft, egger A/ITE and egger A/rapidPRO S 50

Attachment for double cartridges S 50 for automatic mixing of impression material. Extra short, material-saving.

##### **yellow**

Inner diameter (tip): 3.65 mm

Diameter (total): 5.7 mm



25160 | **40 pieces**

25161 | **100 pieces**



##### **pink**

Inner diameter (tip): 4.8 mm

Diameter (total): 6.75 mm



25151 | **40 pieces**

25152 | **100 pieces**



#### **Mixing Canulas S 50** for egger A/II

Attachment for double cartridges S 50 for automatic mixing of impression material. Extra short, material-saving.

##### **green**

Inner diameter (tip): 4.8 mm

Diameter (total): 8.0 mm



25154 | **40 pieces**

25155 | **100 pieces**



#### 25200 | **Tips for Canulas**, 50 pieces

Attachment for mixing canula to facilitate the impression taking of very narrow auditory canals. Suitable for the standard mixing canula and S 50 mixing canula (green and pink).

Inner diameter (tip): approx. 1.0 mm

Diameter (total): approx. 2.0–3.0 mm

Length: 16 mm



#### 252002 | **Tips for canulas** (in full) yellow, 100 pieces

Suitable for mixing canula S 50 (REF 25160 and REF 25161)



## Kneadable Impression Materials

The traditional system. After mixing the material beforehand, it is injected with the egger impression syringe with double piston. To this end, egger can offer you addition-vulcanizing materials. Mixing is done in a 1:1 ratio. The materials are basically shrink-proof. Alternatively, you can also decide on a condensation-vulcanizing material. Its base material is mixed with 3 % of hardener.



### 23301 | egger A

Addition-vulcanizing silicone impression material of slightly pressure-forming consistency, high stability, impression exactitude, tensile strength and form stability. Consisting of 2 components: white and blue.

Final degree of hardness: approx. 36 shore A

#### 2 x 700 g

Sufficient for approx. 100 impressions

Please note our sliding-scale prices!



### 23100 | egger A/I

Addition-vulcanizing silicone impression material with a very soft, slightly pressure-forming consistency and an extremely smooth texture for highly precise and detailed impressions. Consisting of 2 components: white and green.

Final degree of hardness: approx. 26 shore A

#### 2 x 660 g

Sufficient for approx. 100 impressions

Please note our sliding-scale prices!



### 23700 | egger A/II

Addition-vulcanizing silicone impression material of soft, slightly pressure-forming consistency, high impression exactitude, tensile strength and form stability. Consisting of 2 components: white and red.

Final degree of hardness: approx. 40 shore A

#### 2 x 700 g

Sufficient for approx. 100 impressions

Please note our sliding-scale prices!



### 23500 | Measuring Spoon for A-Type Silicones,

1 pair (Spoons: 1 white, 1 blue)

With a volume of 5 ml each, the spoons are adjusted to the material requirements for most ear impressions.



## 20500 | egger C/II

Condensation-vulcanizing silicone impression material incl. hardener of slightly pressure-forming, extremely smooth and non-sticky consistency for manufacturing very elastic and tensile ear impressions.

Color: yellow with blue hardener

Final degree of hardness: approx. 25 shore A

**Basis 660 g + hardener 25 g**

Sufficient for approx. 55 impressions

Please note our sliding-scale prices!

Hardener also available individually if needed.

**22100 | Tube, 25 g**



## 20505 | Measuring Spoon for C-Type Silicone (measuring unit 10 ml)

Volume of 10 ml covers the material requirement for most ear impressions.



## egger Impression Syringe

Double piston impression syringe with transparent cylinder allows even delivery of silicone impression material into the ear, easily refillable. The transparent cylinder makes the injection procedure visible and controllable. Available with the following diameters:

**25503 | Ø 3 mm** for small auditory canals + CIC impressions

**25500 | Ø 4 mm** standard

**25505 | Ø 5 mm** for large auditory canals + highly viscous impression materials



## Spare Cylinder

**25603 | Ø 3 mm**

**25600 | Ø 4 mm**

**25605 | Ø 5 mm**



## 25601 | Spare Piston, blue



## egger Impression Syringe, short version

Ideally suited for small hands. Available with the following diameters:

**27440 | Ø 3 mm**

**27450 | Ø 4 mm**



## Useful Accessories for Impression Taking

---

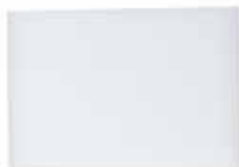
### 26400 | Mixing Spatula

Robust mixing spatula with wooden handle for mixing silicone impression material.



### 27600 | Mixing Slab

Synthetic material, 10.5 x 15 cm



### 45200 | Bayonet Tweezers

For positioning the impression pad in front of the auditory canal.



### 45630 | Impression Tweezers

With round tips for safe positioning of impression pads, with sliding clasp lock mechanism.



### 45900 | Scissors, round tip

For removing hairs in the ear.



### 24200 | Ear Canal Hair Trimmer, electrical

For safe depilation of the auditory canal area. Battery operated (type LR6 –1.5 V batteries included).



### 78021 | Bite Block

Supports impression taking of the ear for manufacturing highly sealing earmolds. In particular when high transmission gain is needed or in cases of acoustic feedback while chewing.



### Clear Former, Impression Film

Prevents the impression material from flowing out of the ear during impression taking. Ideally suited for low-viscosity impression materials. Comes in smart ear design. For professional and mess-free impression taking. 2 x 10 pieces left (blue) and right (red).

#### 25610 | 2 x 10 pieces

#### 25611 | 2 x 100 pieces



### Practice Ear, transparent

For demonstrating and practicing impression taking.

#### 27980 | left

#### 27981 | right





## Impression Pads

The impression pad protects the eardrum during impression taking. Using the ear light and bayonet tweezers, it is placed in the auditory canal before impressing the ear. Every pad is equipped with a safety thread. The impression pads are available in different sizes, shapes and materials:

### Impression Pads (Elastic Foam)

with safety thread

Contents: 100 pieces

#### 27800 | Conical, pink

Length approx. 1.2 cm

Max. diameter approx. 1.2 cm



#### 27804 | Cylindrical, white

Length approx. 1.0 cm

Max. diameter approx. 1.0 cm



### Impression Pads (Cotton)

Contents: 50 pieces

#### 27813 | Small, with blue safety thread

Diameter approx. 0.65 cm



#### 27814 | Medium, with white safety thread

Diameter approx. 0.75 cm



#### 27815 | Large, with red safety thread

Diameter approx. 0.85 cm



### Impression Pads Slim (Elastic Foam)

Suited especially for CIC impressions, equipped with safety thread.

Contents: 50 pieces

#### 27810 | Small, gray

Length approx. 0.5 cm

Max. diameter approx. 0.95 cm



#### 27811 | Medium, white

Length ca. 0.5 cm

Max. diameter approx. 1.1 cm



#### 27812 | Large, blue

Length ca. 0.5 cm

Max. diameter approx. 1.25 cm



### Vented Impression Pads (Elastic Foam)

The safety thread of these pads is a tube so that air can pass through to the auditory canal during impression taking. Pressure differences are compensated and impressing the ear becomes much more comfortable for the customer. We can also offer you a matching ear light (REF 26612) with a special positioning tip for attaching the pad and then placing it deeply in the auditory canal without difficulties.

#### 27820 | Small, 24 pieces

Length approx. 0.6 cm

Max. diameter approx. 0.6 cm

#### 27821 | Medium, 24 pieces

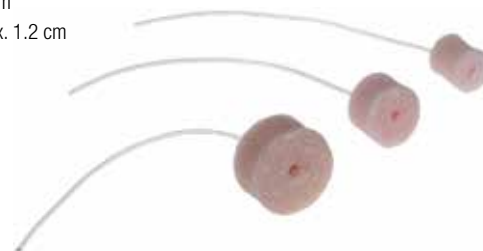
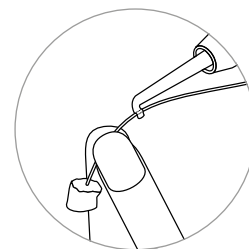
Length approx. 0.8 cm

Max. diameter approx. 1.0 cm

#### 27822 | Large, 16 pieces

Length approx. 0.7 cm

Max. diameter approx. 1.2 cm



### 26636 | MiiS EOC 100 – The Video Otoscope Worth Seeing

No matter where this ergonomically designed, only 200 g weighing hand-held device appears, a glance at the auditory canal will be an experience worth seeing. With its integrated 2.7" TFT LCD color screen and up to 4 hour battery operation, make the video otoscope a portable and convenient device to use. In the fitting room, service area, during home visits, at health exhibitions, etc. With light illumination of the viewing area in natural white and with adjustable brightness, the high-quality camera (HD 1440x1080 image resolution) provides a fascinating view into the auditory canal or onto the eardrum. The manual fine focus takes high-resolution still images or videos and saves them at the touch of a button on the integrated 8 GB SD card or via USB cable, e.g. can be transferred to a PC. A video output allows optional reproduction onto an external screen by cable (parallel operation possible).

#### Scope of delivery:

Li-Ion rechargeable battery (exchangeable), disposable funnels (8 pieces 4 mm, 8 pieces 5 mm), power adapter, USB cable, video cable, high-quality box

#### Spare parts for MiiS EOC 100 video otoscope:

**266361 | Disposable funnels ADULT** (8 pieces) for video otoscope

**266362 | Disposable funnels CHILD** (8 pieces) for video otoscope



### 26637 | OPCOM Wi-Fi Otoscope, incl. 25 cedis Single Wipes eC2

Handy, small and inexpensive video otoscope with adjustable LED illumination for recording the ear canal and/or eardrum. With the integrated mini-310K pixel camera, both images and videos can be transferred in real time via Wi-Fi to a smartphone or via micro USB cable to a PC.

- with 3.6 mm camera head
- Handle dimensions 32 x 34 x 140 mm
- APP for iOS and Android available
- APP for Windows PC available
- with 78° viewing angle
- with integrated 2600mAh Li+ battery
- Incl. USB cable for PC connection and charging the battery
- cedis Single disinfectant wipes eC2.3, 25 pieces



**Set LuxaScope Auris LED Otoscope 2.5 V  
(battery operated) + LED Ear Light**

Cost-effective set incl. LED otoscope with batteries and LED ear light

**Otoscope**

- dimmable (!) LED otoscope in pocket size
- LED ring with 6 LEDs (concentric)
- unrestricted field of vision; pivoting 3-fold magnifying glass with locking function
- automatic switch-off after 3 minutes
- long-life LEDs, approx. 100,000 h (by constant current operation)
- intensity of illumination approx. 10,000 Lux
- color temperature approx. 4,000 K
- electronic ON/OFF push-button switch with dimming function
- two-component handle (aluminium/fibre-glass reinforced)
- insufflation port for pneumatic test
- incl. 20 disposable ear funnels, gray, each 10 x 2.5 mm and 10 x 4.0 mm
- power supply 2.5V with 2 x AAA Alkaline batteries, inclusive

**Ear Light**

- acrylic tip to position impression pad in auditory canal
- bright, long-life LED, approx. 100,000 h
- power supply with 2 exchangeable dry-cell batteries, inclusive



**26011 | white, egger-edition**

*Also available as Kids version:*

**Set LuxaScope Auris LED otoscope KIDS 2.5 V  
(battery operated) + LED ear light KIDS**

Cost-effective set incl. LED otoscope with batteries and LED ear light

**26031 | white, egger-edition**



**LuxaScope Auris LED Otoscope 3.7 V (recharger with USB plug)**

- dimmable (!) LED otoscope in pocket size
- LED ring with 6 LEDs (concentric)
- unrestricted field of vision; pivoting 3-fold magnifying glass with locking function
- automatic switch-off after 3 minutes
- long-life LEDs, approx. 100,000 h (by constant current operation)
- intensity of illumination approx. 10,000 Lux
- color temperature approx. 4,000 K
- electronic ON/OFF push-button switch with dimming function
- two-component handle (aluminium/fibre-glass reinforced)
- insufflation port for pneumatic test
- incl. 20 disposable ear funnels, gray, each 10 x 2.5 mm and 10 x 4.0 mm
- power supply 3.7V with 1 lithium-ion rechargeable battery, inclusive
- recharger with USB plug including adapter for EU/UK/US

26020 | **white, egger-edition**



*Also available as set:*

**Set LuxaScope Auris LED Otoscope 3.7 V  
(recharger with USB plug) + LED Ear Light**

Set incl. LED otoscope with accumulator, LED ear light and attractive case

Otoscope

Content as described in the article 26020.

Ear Light

- acrylic tip to position impression pad in auditory canal
- bright, long-life LED, approx. 100,000 h
- power supply with 2 exchangeable dry-cell batteries, inclusive

26021 | **white, egger-edition**



### **LuxaScope Auris LED Otoscope (battery operated)**

- dimmable (!) LED otoscope in pocket size
- LED ring with 6 LEDs (concentric)
- unrestricted field of vision; pivoting 3-fold magnifying glass with locking function
- automatic switch-off after 3 minutes
- long-life LEDs, approx. 100,000 h (by constant current operation)
- intensity of illumination approx. 10,000 Lux
- color temperature approx. 4,000 K
- electronic ON/OFF push-button switch with dimming function
- two-component handle (aluminium/fibre-glass reinforced)
- insufflation port for pneumatic test
- incl. 20 disposable ear funnels, gray, each 10 x 2.5 mm and 10 x 4.0 mm
- power supply 2.5V with 2 x AAA Alkaline batteries, inclusive

**26010 | white, egger-edition**



*Also available as Kids version:*

### **LuxaScope Auris LED Otoscope KIDS (battery operated)**

**26030 | white, egger-edition**



### **Luxamed LED Ear Light with Acrylic Tip**

- acrylic tip to position impression pad in auditory canal
- bright, long-life LED, approx. 100,000 h
- power supply with 2 exchangeable dry-cell batteries, inclusive

**26560 | white, egger-edition**



*Also available as Kids version:*

### **LED Ear light KIDS with acrylic tip**

**26565 | white, egger-edition**



### **LED Otoscope Head**

for 2.5V und 3.7V LuxaScope Auris otoscopes

**26019 | white, egger-edition**



### **26018 | Otoscope Handle**

for LuxaScope Auris LED 2.5V, white



### **26028 | Otoscope Handle**

**incl. Li-Ion Rechargeable Battery**

for LuxaScope Auris LED 3.7V, white



## 26626 | Heine Mini 3000 NT Set

Complete set including FO otoscope, ear light and charging station.



### Set



#### Otoscope

- modern design, compact, durable, chrome head
- bright, focused light
- innovative XHL-lamp (Xenon halogen lenses)
- pivotable, viewing window with 3x magnification
- attachment clip with integrated on/off switch
- long-life rechargeable battery
- high-quality, ergonomically shaped handle casing
- shockproof, non-slip handle casing made of chrome-finish and refined plastic
- includes 5 disposable funnels with a diameter of 2.5 and 4 mm each and a set of reusable funnels (2.4/3.0/4.0/5.0 mm)

#### Ear light

- modern design, sturdy
- innovative Xenon halogen light technology
- long-life charging battery
- bright, focused light
- includes acrylic tip for placing the impression pad in the auditory canal

#### Charging station

- modern design, compact, innovative, stable, space-saving
- two independent charging compartments make possible simultaneously charging of two mini handles
- fast charge feature: only 4 hours of charging time
- cannot be overcharged, as charger switches off automatically when the battery is fully charged
- charge status display confirms the charging mode
- power supply unit: AC 100–240 V – DC 5 V

#### Spare parts:

##### 266080 | Spare bulb XHL xenon halogen

for Heine mini 3000 otoscope with fiber optic (F.O.)



XHL #105

##### 26629 | Spare bulb XHL xenon halogen

for Heine mini 3000 clip lamp



XHL #107

##### 26626-2 | Spare battery, rechargeable

for Heine Mini 3000 NT

### Heine Mini 3000 Otoscopes

Robust and durable pocket light of a compact and up-to-date design with a chrome-plated cap. Delivers bright, concentrated light due to a new XHL (Xenon halogen Lenses) lamp. Pivotal viewing window with 3X magnification. Comes with holder clip and integrated on/off button. The high-quality, ergonomically shaped handle casing, made of chrome alloy and enhanced plastic, is characterized by its impact resistance, sturdiness and non-slip surface. Interchangeable dry, AA batteries included.

Comes with 4 reusable funnels (of 2.4/3.0/4.0/5.0 mm) and 5 disposable funnels with a diameter of 2.5 and 4 mm respectively.

**26602 | black**

**26603 | blue**

#### with Hard Shell Case

**26606 | black**

**26607 | blue**

Direct illumination  
with XHL lamp



### Spare Parts for Heine Mini Otoscopes

*for Heine mini 3000:*

#### Otoscope Attachment

**26613 | black**

**26614 | blue**



#### Screw-On Top

**26615 | black**

**26616 | blue**

#### 26608 | Spare Bulb XHL Xenon Halogen



XHL #110

*for Heine Mini 2000:*

#### 27300 | Spare Bulb halogen



XHL #056

#### 26618 | Screw-On Top for rechargeable handle

#### 27001 | Spare Rechargeable Battery 2.5 V \*

\* This spare battery can be used for the Heine mini 2000 and also for the Heine mini 3000.

### 26625 | Stand for Heine Otoscope / Ear Light

Tidy and always at one's fingertips. With included inserts for use with various Heine otoscopes.

Otoscope not included



### Reusable Funnels, black

Suitable for Heine otoscopes (mini 2000 and 3000), KaWe otoscopes (Piccolight® C and Piccolight® F.O. LED) and LuxaScope Auris.

**28000 | Set** incl. 4 funnels with a diameter of 2.4/3.0/4.0/5.0 mm

Singles:

**28001 | Ø 2.4 mm**

**28002 | Ø 3.0 mm**

**28003 | Ø 4.0 mm**

**28004 | Ø 5.0 mm**



### Disposable Funnel, gray

Suitable for Heine otoscopes (mini 2000 and 3000), KaWe otoscopes (Piccolight® C and Piccolight® F.O. LED) and LuxaScope Auris.

Contents: 50 pieces

**27100 | Ø 2.5 mm**

**27101 | Ø 4.0 mm**



### 27102 | Disposable Funnel Dispenser

A new tip for every customer. The right size, visible and easy to take out. Holds four rows with 45 pieces each. Every dispenser is equipped with 45 funnels of 2.5 mm and 4.0 mm in diameter respectively.

Dimensions: H 20 x W 14 x D 4 cm



### 26640 | Heine ear light with acrylic tip, black,

with the new Heine mini E clip lamp

For placing the impression pad in the auditory canal. Robust, durable LED lamp with a bright, concentrated light. Battery operated (interchangeable dry cell-type, AAA batteries are included).

### 26641 | LED lamps attachment, black,

with acrylic tip for Heine LED ear light





## Ear Light for Vented Ear Impression Taking

For placing a vented impression pad in the auditory canal. The vent tube from the impression pad is inserted into the special positioning tip and can then be placed far down in the auditory canal without any difficulties. With Xenon Halogen Technology. Robust, durable lamp with a bright, concentrated light thanks to the lens-lamp. Battery operated (interchangeable dry cell-type, AAA batteries are included).

26612 | **black**

26622 | **blue**



## Spare Parts and Accessories for Heine and Luxamed Ear Lights

*for new model:*

26918 | **Acrylic Tip**



26916 | **Acrylic Tip** for vented impression taking



26919 | **Acrylic Tip** with scale



26601 | **Spare Bulb** XHL Xenon Halogen (mini C)



XHL #108

*available for predecessor model (until fall 2007):*

26600 | **Spare Bulb** halogen (mini 2000)



XHL #041

26901 | **Acrylic Tip** for ear light (mini 2000)



26909 | **Acrylic Tip** for vented impression taking (mini 2000)



*Spare parts and accessories:*

27400 | **Spare Bulb** 2.5 V halogen for FO-otoscope (alpha, mini 2000)



XHL #037

26600 | **Spare Bulb** 2.5 V halogen for ear light (mini 2000)



26912 | **Acrylic Tip** for ear light (alpha)

XHL #041



# Hearing Aid Accessories / Service and Repairs

Practical, useful, safe – here you will find everything to make life easier. The smart supplement for your high-quality hearing aid program. Professional service creates satisfied customers. Exact executed repairs on hearing aids and earmolds increase the competence of the hearing aid acoustician. Tried-and-true auxiliary materials and tools enable you to execute repairs and provide service competently and quickly. This facilitates your day-to-day operations. This strengthens customer relations.



99 | Hearing Aid Accessories  
100 - 115 | Service and Repairs



Practical and Useful Accessories

Anything and everything of use for your customer having to do with hearing aids and hearing protection. A great range of accessories helps make daily life easier for wearers. This strengthens the relationship between customer and hearing aid specialist.

Hucki-Holder

Easy and practical solution for holding the BTE hearing aid in place behind the ear and protecting it from falling down. The holding tube can be individually adjusted to the size of the ear.

Hucki-Holder

- 97500 | pink-transparent (1 piece)
- 97502 | flesh-colored (1 piece)



Hucki-Tube

- 97508 | pink-transparent (50 cm)
- 97506 | flesh-colored (50 cm)



- 97509 | Hucki-Connecting Tips, 10 pieces



Ear Gear Protective Sleeves, 1 pair

Ear Gear protective sleeves are effective protectors against dirt and moisture, made for sensitive BTE hearing aids. The double-lined nylon/spandex material is very flexibel and washable. Ear Gear protective sleeves are pulled over the BTE hearing aids – no tools necessary; they will prove effective immediately and their use will not negatively influence the BTE hearing aid.

|                   | Ear Gear<br>Micro<br>cordless<br>up to approx.<br>25 mm | Ear Gear<br>Mini<br>cordless<br>25 to 32 mm | Ear Gear<br>Original<br>cordless<br>32 to 51 mm |
|-------------------|---|---|---|
| ● beige           | 97322   | 97310                                       | 97318   |
| ● gray            | 97323   | 97311                                       | 97319   |
| ● chocolate-brown | 97324   | 97312                                       | 97320   |
| ● black           | 97325   | 97313                                       | 97321   |
| ● pink            | 97326   | 97306                                       | 97336   |
| ● blue            | 97327   | 97307                                       | 97337   |
| ● orange/red      | 97328   | 97308                                       | 97338   |
| ● camouflage      | 97329   | 97309                                       | 97339   |



## Service Station

### 62850 | eWA.X3

Developed in cooperation with hearing aid acousticians, the eWA.X3 is indispensable after only a short time when deposits (i.e. cerumen) or moisture are difficult to access and when they block sound's way. The device is useful for many applications: from receiver and microphone openings to sound tubes and slim tubes to cerumen protection sieves to additional bore holes, etc. To ensure safe, effective and gentle application, the integrated suction and air-blowing function has undergone intensive testing and has been perfectly matched to the everyday life at the service workplace. The perceptibly low noise level is the result of a careful selection of components, thought-out construction and a particular installation of the high-performance pump. With an agreeable casing and a discreet color, the eWA.X3 can be placed confidently in the customer's field of vision. Craftsmanship can be this elegant – in the acoustician's shop, during home visits or at your exhibition booth.

- elegant design and space-saving
- simple, intuitive operation
- moderate operating noise
- suction function, e.g. against dirt deposits in receiver / microphone opening
- air blowing function, e.g. against moisture build-up in the sound tube/slim tube
- pressure gauge as indicator for the flawless suction performance
- easy to clean, exchangeable special filter for protecting the pump against dirt and moisture
- tips (attachable) with different diameters
- metal casing with high-quality color coating (easy to clean)
- including practical case, e.g. for home visits or events
- universal power supply unit makes transnational use possible

Voltage input: AC 100–240V; ~50/60Hz; 0.7A

Power consumption: 12W

Fuse: 2A (sluggish)

Dimensions: approx. W 178 x D 153 x H 70 mm

Weight: 2.5 kg

Volume: 12–15 LPM (liter per minute)

Vacuum: - 70 kPa

Overpressure: 150 kPa

Temperature range: 0–50 °C (0–122 °F)

### Scope of delivery:

eWA.X3, 1 set of tubes, 1 set of attachments (purple, pink, green, orange), 1 sintered filter

### Spare parts:

**62870 | Tube set**

**62871 | Attachment set**

**62872 | Sintered filter**



Sintered filter



### 55606 | Battery Operated Technical Machine K38

Portable, very light technical machine for mobile use at an unbeatable price-performance ratio! With a maximum speed of 30,000 rpm, reversible right/left rotation and a powerful torque of 2.7 Ncm, the K38 is the ideal companion for home visits. Complete charging of the powerful lithium-ion polymer battery takes only 3 hours and enables up to 8 hours of work independent of mains power. Belt clip and handpiece holder are included. The device is equipped as standard with a practical foot switch (on/off) and overload protection.

#### Accessories:

556061 | Case for Battery Operated Technical Machine K38

55607 | Replacement Battery for Technical Machine K38

55608 | Shelf for Technical Machine K38 – rechargeable



For Competent Hearing Aid Acousticians

Competence – also conveyed through spontaneity. Special tools for hearing aid acousticians make professional service and on-the-spot repairs possible. Thus keeping customers satisfied.

The proven egger service and repair sets are suitable for universal use in the acoustician shop, for home visits and in the laboratory. Services and repairs like

- glazing with anti-bacterial effect
- anti-slip coating
- repairs and modifications of earmolds

can now be done on the spot – quickly and efficiently. So you will increase your independence and offer your customer the best possible service.



Everything for the service expert



Set



**31700 | egger Service and Repair Set Light-Curing Device eLED.LP3 with battery operated Turning Motor eTM.B03**

**31710 | egger Service and Repair Set Light-Curing Device eLED.LP3 with Electrical Turning Motor eTM.PS3, with Plug for Mains Supply, 100–240V**

*Scope of delivery (The set's contents can also be ordered separately.):*

|   |        |
|---|--------|
| <b>UV-Curing Unit egger eLED.LP3</b>                                | 51350  |
| <b>Turning Motor eTM.B03, battery operated</b>                      | 89320  |
| <b>LP/H Modeling Paste</b>  |        |
| transparent   | 30800  |
| beige   | 31000  |
| red   | 29610  |
| blue  | 29615  |
| <b>LP/H Lacquer antibac, hard 30 ml, incl. 5 disposable brushes</b> | 306230 |
| <b>LP/W Lacquer, soft, 30 ml, incl. 5 disposable brushes</b>        | 307030 |
| <b>Surface Cleaner, 250 ml with</b>                                 | 31600  |
| <b>Hand Spray Pump</b>  | 86775  |
| <b>LP-Cleaner, 100 ml</b>   | 31301  |
| <b>Jar, transparent, diameter 50 mm</b>                             | 52800  |
| <b>Modeling Instrument</b>  | 31215  |
| <b>Nylon Tube as Lacquering Aid</b>                                 | 97200  |
| <b>Digital Timer</b>  | 68601  |
| <b>uniglu/2 Superglue</b>   | 39503  |
| <b>5 Dosing Tips, small (for uniglu/2)</b>                          | 39505  |
| <b>5 Dosing Tips, large (for uniglu/2)</b>                          | 39504  |
| <b>10 Sound Tubes 2.0 x 3.1 mm, pre-bent</b>                        | 95100  |

## 55610 | egger Service-Set, "Special"

The egger Service-Set, "Special", is suitable for versatile use in specialist stores, for home visits and in the earmold laboratory. The extensive equipment and special tools enable the competent hearing care professional to carry out service and repair work immediately on site, quickly and efficiently and without great effort. Thus you increase your independence and offer your customer the best possible service. For mobile use, you also receive a case with wheels.



High price advantage compared to single purchase!



Case models and colour can vary.

*Scope of delivery (The set's contents can also be ordered separately.):*

- **Battery Operated Technical Machine K38** 55606
  - **Case for Battery Operated Technical Machine K38** 556061
  - **Drill Set with Drill Stand** attachment with fold-away lid / 70062
    - sand paper holder, short / bur round, 2.9 mm / bur round, 2.5 mm /
    - HM bur/251, 6.0 mm / trimmer, assembled, pointed and slim /
    - 2 meter sandpaper 180 grit
  - **OPCOM Wi-Fi Otoskop**, incl. 25 cedis single cloths eC2 26637
  - **eWA.X3 Service Station** 62850
  - **Light Unit egger eLED.LP3 (100 – 240 V) / Turning Motor eTM.B03 (battery operated)** 31700
- Content corresponds to the set on the left (page 102)

**+ Otoplastic Trolley on Wheels** 66005



**Set**



### Impression Case – “Compacto”

The compact case “to go” is your practical companion when away from your specialised shop. First and foremost, it is designed for all that you need for an ear impression when you are out and about. You can order “Compacto” ready packed or without any contents and fill it yourself with your personal needs. The sample photos show the interior with detachable compartments. The underlying compartment gives extra space for eg. impression material, ear impressions, note book etc.

**Compacto, with contents** – Order number see table

**66040 | Compacto, without contents**

Outer dimensions: W 39 x D 20 x H 23 cm

Inside dimensions: W 38 x D 17.5 x H 19.5 cm

Volume: approx. 13 liter

Weight: approx. 1.5 kg



Case models and colour can vary.



High price advantage compared to single purchase!



Sample



**Table of contents for impression case “Compacto” for impression taking  
with different impression materials**

**Can be optionally ordered with:**

LuxaScope Auris LED otoscope (battery operated)

OPCOM Wi-Fi otoscope

|  |   | LuxaScope Auris LED otoscope (battery operated)<br>OPCOM Wi-Fi otoscope | LED Ear light with acrylic tip | Impression pads made of elastic foam with<br>safety thread, conical, pink (100 pieces) | Impression Tweezers | Measuring spoon for A-silicones, 1 pair | Measuring spoon for C-silicones | egger Impression syringe (blue), standard,<br>tip diameter 4 mm | Spare cylinder for impression syringe,<br>tip diameter 3 mm | Injector 2 in 1 | Mixing canulas, 50 pieces | Mixing canulas S 50, pink, 6.75 mm (40 pieces) | Mixing canulas S 50, green, 8.00 mm (40 pieces) | Clear former – impression film (2 x 10 pieces) | Mixing spatula | Mixing slab | Scissors – blunt pointed | egger Polyethylene – snap fastener bag for<br>impressions (50 pieces) |
|--|---|---|--------------------------------|--|---------------------|---|---------------------------------|---|---|-----------------|---------------------------|--|---|--|----------------|-------------|--------------------------|---|
| 66061   <b>egger A/soft</b> with LuxaScope<br>66065   <b>egger A/soft</b> with OPCOM                   | X | X   | X                              | X  |                     |   |                                 |   |   | X               | X                         |  |   | X  |                |             | X                        | X   |
| 66062   <b>egger A/ITE</b> with LuxaScope<br>66066   <b>egger A/ITE</b> with OPCOM                     | X | X   | X                              | X  |                     |   |                                 |   |   | X               | X                         |  |   | X  |                |             | X                        | X   |
| 66071   <b>egger A/soft S 50</b> with LuxaScope<br>66075   <b>egger A/soft S 50</b> with OPCOM         | X | X   | X                              | X  |                     |   |                                 |   |   | X               |                           | X  |   | X  |                |             | X                        | X   |
| 66072   <b>egger A/ITE S 50</b> with LuxaScope<br>66076   <b>egger A/ITE S 50</b> with OPCOM           | X | X   | X                              | X  |                     |   |                                 |   |   | X               |                           | X  |   | X  |                |             | X                        | X   |
| 66073   <b>egger A/rapidPRO S 50</b> with LuxaScope<br>66077   <b>egger A/rapidPRO S 50</b> with OPCOM | X | X   | X                              | X  |                     |   |                                 |   |   | X               |                           | X  |   | X  |                |             | X                        | X   |
| 66074   <b>egger A/II S 50</b> with LuxaScope<br>66078   <b>egger A/II S 50</b> with OPCOM             | X | X   | X                              | X  |                     |   |                                 |   |   | X               |                           |  | X   | X  |                |             | X                        | X   |
| 66041   <b>egger A</b> with LuxaScope<br>66045   <b>egger A</b> with OPCOM                             | X | X   | X                              | X  | X                   |   | X                               | X   |   |                 |                           |  |   | X  | X              | X           | X                        | X   |
| 66042   <b>egger A/I</b> with LuxaScope<br>66046   <b>egger A/I</b> with OPCOM                         | X | X   | X                              | X  | X                   |   | X                               | X   |   |                 |                           |  |   | X  | X              | X           | X                        | X   |
| 66043   <b>egger A/II</b> with LuxaScope<br>66047   <b>egger A/II</b> with OPCOM                       | X | X   | X                              | X  | X                   |   | X                               | X   |   |                 |                           |  |   | X  | X              | X           | X                        | X   |
| 66053   <b>egger C/II</b> with LuxaScope<br>66057   <b>egger C/II</b> with OPCOM                       | X | X   | X                              | X  |                     | X                                       | X                               | X   |   |                 |                           |  |   | X  | X              | X           | X                        | X   |

# The Shop on Wheels

Professional education. Home Visit. Hearing protection field work. Plastic bag? We offer you something better! The chic otoplastic trolley on wheels. Your mobile packing station for everything having to do with earmolds.

## 66005 | Aluminium black, empty



Model/color of otoplastic trolley may vary.

We will be pleased to supply you with the completely equipped trolley.

## 66020 | Otoplastic trolley "Standard MS2"

In order to ensure you have everything you might need, we chose the contents of the trolley (aluminium, black) according to the high standard needs of an acoustician's master exam in Germany:



### Contents:\*

- LuxaScope Auris LED otoscope (battery operated)
- LED Ear light with acrylic tip
- Acrylic tip with scale for LED ear light
- Tube widening pliers
- Scissors, blunt pointed
- Bayonet tweezers
- egger A/ITE (8 double cartridges)
- Inject-pistol
- Mixing canulas, 25 pieces
- Clear former – impression film ( 2 x 10 pcs.)
- Cotton and sewing thread for manufacturing impression pads
- cedis Spray with atomizer, 100 ml
- Gasket form, 40 mm, 2 pcs.
- Bottom part, 40 mm, 2 pcs.
- Duplicating silicone, transparent, 8 cartridges
- Container round, transparent, 50 mm
- Investment form, transparent, 50 mm
- Measuring spoon

- egger Acryl/B monomer (liquid), 250 ml
- egger Acryl/B polymer (powder), transparent, 0.5 kg
- Mixing cup, 70 ml
- Mixing spatula, small
- Immersion skewer for waxing of 1 impression (only in standard version)
- Dipping wax, green, 167 g (only in standard version)
- Sound tube PVC, 2.0 x 3.1 mm, transparent
- egger LP/H beige, 300 g
- egger LP/H modeling paste beige, 20 g
- Dipping jar, 60 ml
- Black foil, 10 pieces, diameter 4.5 cm
- LP-Cleaner 250 ml
- Silicone vent tube, 0.8 mm
- Silicone vent tube, 1.5 mm
- Silicone vent tube, 2.0 mm
- Tweezers, thin, curved
- Drill set for hard earmold materials
- Bur, round, 3.5 mm
- Carbide faceplate-trimmer

- Soft polishing disc, green, unassembled, 10 pcs.
- Mandrel for soft polishing disc
- Trimmer, assembled, pointed and slim
- Corundum paper, 180 grit, coarse
- uniglu/2, 10 g with dosing tip small, 0.5 mm
- Universal knife with spare blade (1 piece)
- Scalpel with 1 blade, flat grip
- Spare blades for scalpel with flat grip (5 pieces)
- Cotton swabs, 300 pieces
- Safety visor
- Dust respirator, 5 pieces
- Stetoclip, black
- Mixing slab, synthetic material
- Drill stand with fold-away lid
- Paper tissue dispenser
- 1 Set of training EARpieces including sound tubes (the set includes each 5 x right/5 x left)
- eDAPT2go EARpiece, 3 pairs
- Edding black, fine
- Digital timer

\*Laboratory devices are not included, as they are generally provided by the schools while in training or during exams.



#### 66030 | Otoplastic trolley "Expert ME2"

This trolley contains in addition to the "standard" equipment devices for the easy production of earmolds and ITE-shells.

- Light-Curing Unit eLED.LP3
- Insert including 5 units of metalized carton for eLED.LP3
- Dipping wax, green, 500 g
- Wax immersion and duplicating device, 230 V
- Dipping sieve
- Digital thermometer
- Aquapress



#### 19930 | Training EARpieces (80 percent earmolds) including sound tubes

(the set includes each 5 x right-red / 5 x left-blue)

The shape of the training EARpieces is based on the main characteristics of more than ¾ of all EARpieces produced daily. A great auxiliary for practicing fittings and for exams! Pre-bent sound tubes 2.0 x 3.1 mm are included!

##### The set includes:

(left and right respectively)

- 1 Pair EARpieces without an additional bore
- 1 Pair EARpieces with an additional bore of 1.0 mm
- 1 Pair EARpieces with an additional bore of 1.4 mm
- 1 Pair EARpieces with an additional bore of 2.0 mm
- 1 Pair EARpieces with an additional bore of 2.5 mm
- 10 sound tubes 2.0x3.1 mm



#### 19938 | eDAPT2go EARpiece, 3 pairs

Not an individual earmold, not a sponge, not a lamella, not a dome. eDAPT2go is an EARpiece. Considering the ear anatomy. Your customers do not have to wait for the final individual earmold anymore. Material as well as shape and requirements for use and maintenance of the eDAPT2go are similar to a real earmold.



We also offer training courses with theoretical and practical elements on earmolds and hearing protection for technicians!

For further information, please consult page 205.

## egger Lacquers –

The Best Choice for Every Application!



Lacquers – Glaze and Protection



### UV-Curing Lacquers

- Ready-to-use one-component lacquers
- Curing complete within 1 – 7 minutes (depending on the light-curing unit used)
- Earmolds can be dipped or brushed
- Post-curing of the soft lacquer in LP-Cleaner bath or under inert gas (N<sub>2</sub>)

|                      | Suitable for earmolds of   | Characteristics   | Units   | REF  |
|----------------------|--|---|---|--|
| LP/H lacquer         | <ul style="list-style-type: none"> <li>• <b>hard UV-polymerizate</b></li> <li>• <b>hard acrylic</b></li> </ul> | For a homogeneous, scratch-resistant, transparent surface (glazing) very suitable for rapid manufacturing processes | in aluminum bottle:<br>30 ml, incl. 5 disposable brushes<br>100 ml<br>250 ml<br>500 ml<br>1000 ml | 306030<br>30601<br>30602<br>30605<br>30609 |
| LP/H lacquer antibac | <ul style="list-style-type: none"> <li>• <b>hard UV-polymerizate</b></li> <li>• <b>hard acrylic</b></li> </ul> | For a homogeneous, scratch-resistant, transparent surface (glazing), <b>with long-lasting, antibacterial effect</b> | in aluminum bottle:<br>30 ml, incl. 5 disposable brushes<br>100 ml<br>500 ml                      | 306230<br>30622<br>30624                   |
| LP/W lacquer         | <ul style="list-style-type: none"> <li>• <b>hard UV-polymerizate</b></li> <li>• <b>hard acrylic</b></li> </ul> | Seals the surface and can be used as adhesive coating   | in aluminum bottle:<br>30 ml, incl. 5 disposable brushes<br>100 ml<br>250 ml                      | 307030<br>30701<br>30702                   |

**Air-Drying Silicone Lacquers**

- Ready-to-use one-component lacquers
- Earmolds /impressions can be dipped or brushed
- Lasting coatings with good adhesion

|                | Suitable for earmolds of   | Characteristics   | Units   | REF  |
|----------------|--|---|---|--|
| Lacquer L      | <b>silicone (hot- and cold-curing) or as coating for impressions*</b>                      | High-gloss sealing of the surface with leveling effect. Curing at room temperature within 15–20 minutes. (*Separating effect on impressions – not suitable for negative molds of duplicating silicone.)   | in aluminum bottle:<br>30 ml, incl. 5 disposable brushes<br>100 ml<br>250 ml<br>500 ml<br>1000 ml | 375030<br>37501<br>37502<br>37503<br>37506 |
| Lacquer L nano | <b>silicone (hot- and cold-curing)</b>   | High-gloss sealing of the surface <b>with antibacterial effect</b> due to nano silver. Leveling effect. Curing at room temperature over night or at 80 °C (176 °F) within 20 minutes.   | in aluminum bottle:<br>30 ml, incl. 5 disposable brushes<br>100 ml<br>500 ml                      | 375130<br>37511<br>37512                   |
| Lacquer opaco  | <b>all types of silicone materials, also for one-component hot vulcanization materials</b> | Cosmetically high-quality, semi-matt, equalizing surface sealing. Colorless, air-drying or for hot vulcanization. Comfortable flow characteristics, very good adhesion. Leveling effect. Curing at room temperature over night or at 100 °C (212 °F) within 15 minutes. | in aluminum bottle:<br>100 ml   | 37527                                      |

**Hot-Curing Silicone Lacquer**

- Ready-to-use one-component lacquer
- Curing complete within 15 minutes in thermal oven at 110 °C (230 °F)
- Earmolds can be dipped or brushed
- Lasting coatings with very good adhesion

|               | Suitable for earmolds of               | Characteristics                             | Units                                   | REF            |
|---------------|--|---|---|----------------|
| Lacquer signo | <b>Silicone (hot- and cold-curing)</b> | High-gloss, leveling glazing of the surface | in aluminum bottle:<br>250 ml<br>500 ml | 39413<br>39412 |

### 31500 | Varnishing Brush

High-quality varnishing brush for all kinds of lacquering.



### Disposable Brushes, blue

795371 | 10 pieces

795372 | 100 pieces



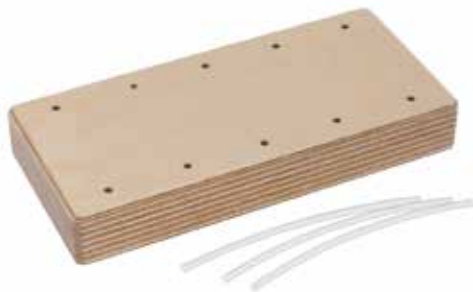
### 74622 | Varnishing Holder Set for Silicone

Set with 1 varnishing holder for up to 10 earmolds and 20 lacquering tubes.

*Also available separately:*

74620 | Varnishing Holder

97110 | Lacquering Tubes, 20 pieces



### 51207 | Varnishing Holder Set

To be used in the EL 1 (REF 51100), EL 1 plus N<sub>2</sub> (REF 51110) and EL 4 (REF 51205) units.

*Set consisting of:*

5 magnetic varnishing holders

20 g Erkogum

1 m nylon tube, pre-cut 1.5 x 2.5 mm



### 30911 | Erkogum, 1 g

Reusable modeling clay – for fixing earmolds during varnishing operations. Especially recommendable for shells.



### Dipping Jars, impervious to light, with black lid

For collecting reusable UV-curing materials as well as for processing and storing small quantities of lacquer.

31400 | 60 ml

31401 | 120 ml



## Surface Cleaner

For cleaning surfaces and removing dust, grease, etc. before using the modeling pastes or lacquers. Also suitable for cleaning the varnishing brush.

- 31600 | 250 ml
- 31603 | 500 ml
- 31601 | 1000 ml



## 86732 | Hand Spray Pump

For spraying the surface cleaner on surfaces.



## 39503 | uniglu<sup>e</sup>/2, 10 g

Cyanoacrylate-based, instant adhesive with especially adjusted flowability for bonding sound tubes, elbows, face-plates, etc. – in combination with primer/2 (REF 39701) especially suitable for silicone earmolds.

### Accessories:

- 39504 | Dosing Tip, large, 1.0 mm (length: 4,0 cm)
- 39505 | Dosing Tip, small, 0.5mm (length: 2.0 cm)



## 39701 | primer/2 for uniglu<sup>e</sup>/2, 15 ml

For the pre-treatment of silicone earmolds (auditory canal drillings); in combination with uniglu<sup>e</sup>/2 (REF 39503), it provides durable bonding of PVC sound tubes and silicone earmolds.



## egger LP/H Modeling Paste, hard

Stable, pasty consistency for repairing earmolds made of acrylic and UV-curing materials, shaping vents for ITE shells or for modifying earmolds. Color-coordinated to the corresponding earmold base material. Tubes with 20 g.

- 30800 | ○ transparent
- 31000 | ● beige
- 29610 | ● red
- 29615 | ● blue



### 97030 | Stetoclip Set Premium

The premium composition in a one set.

Stetoclip with elastic earplugs of soft plastic, including listening tube with top. To avoid mix-ups, every stetoclip is equipped with a name tag. Color: blue.

#### Accessories for Stetoclip Premium:

97041 | **Spare plug for Stetoclip Set Premium**, 1 piece

97015 | **Tube adapter (aluminum)** for Stetoclip



All in one



### Stetoclip Color

With hard plastic earplugs, adapter and listening tube.

97044 | **black**

97036 | **yellow**

97037 | **orange**

97038 | **green**

97048 | **red**

97049 | **dark-blue**

97043 | **light-blue**

#### Accessories for Stetoclip Color:

97011 | **Tube adapter**, aluminum

97065 | **Spare plugs**, white, 1 pair



### Stetoclip Standard, gray

Includes coupling attachment and listening tube.

97000 | **with Soft Foam Earplugs**

97006 | **with Hard Plastic Earplugs**

#### Accessories for Stetoclip Standard:

97005 | **Spare Foam Tips**, 1 pair

97007 | **Spare Plastic Tips**, 1 pair



#### Accessories for stetoclips:

### 881341 | Listening Tube with Top (beige) and Junction Coupling

For connecting to a stetoclip.



### 88121 | Top for Listening Tube, beige





**881340 | Listening Tube**, multi-colored

For listening directly to ITE hearing systems. With blue earplug (olive-shaped) and red top.



**881210 | Top for Listening Tube**, red, for multi-colored listening tube



**Junction Couplings for Stetoclip**

**97002 | positive**, for stetoclip and earmolds

**97003 | negative**, for external receivers



**97070 | Earmold Vacuum Cleaner**, manually operated

Ideal for the professional removal of cerumen by creating a vacuum. Ergonomically-shaped with operable release button. The tip is equipped with an exchangeable listening top (REF 88121) that can also be purchased separately.



**60940 | Soldering Unit Set Weller WT 1012**, 230 V for a leadfree solder

Set consisting of the 1-channel supply unit WT1 with soldering iron WSP 80, the safety stand WSR 201, 2 soldering tips diameter 0.2 mm and 0.4 mm and 100 g lead-free soldering wire. Temperature adjustable from 50 °C (122 °F) to 450 °C (842 °F) and is set via high-contrast LCD display. Suitable for all standard soldering applications.

Operating temperature: 50–450 °C (122 F–842 °F).

Dimensions: W 138 x D 149 x H 101 mm

Voltage: 230 V

Output: 90 W

Accessories:

**60941 | Soldering Iron WSP 80**

For a high level of accuracy with only short heating period

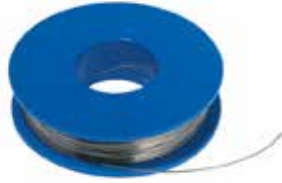
Output: 80 W

**60984 | Soldering Tip LT 1L**, conical, long, diameter 0.2 mm

**60985 | Soldering Tip LT S**, conical, long, diameter 0.4 mm



**60915 | Solder Wire**, lead-free  
0.5 mm, 100 g



**60916 | Desoldering Braid**  
width: 2.8 mm, length: 1.5 m



**45625 | Clamping Tweezers**, straight, 16 cm  
Especially suitable for soldering operations.



**45400 | Tube Widening Pliers**  
For expanding sound tubes



**24000 | Scissors – straight pointed**  
e.g. for cutting sound tubes, elbows, etc.



**69688 | Standard Bench-Type Magnifier**

With 2 spring joint arms, free movable magnifier head, glass lense, wide field of view, with LED lights and clamp for mounting to desk tops up to 65 mm wide.

- bright, white LED work light (6500 K), 60 LEDs
- only 10 W power consumption – approx. 60 % less energy consumption
- no flickering, immediately full light, evenly distributed
- long-life LEDs: up to 20,000 operating hours
- stable articulated arm, 80 cm long – enough for the complete workplace
- robust table top clamp up to 65 mm
- maintenance-free and stable holding spring system
- real glass magnifier, Ø 150 mm, 2.25x magnification (5 diopters)
- protective cover for the lens
- distortion-free magnification over the entire lens surface
- direct operation at 230 V (no transformer)



Model may vary.

**45600 | Tweezers, straight**



**26300 | Tweezers, curved**



**45610 | Tweezers, thin – curved**



**45620 | Tweezers, thin – straight**



**46400 | Side Nippers**

e.g. for cutting vent tubes with wire.



**46300 | Flat-Nose Pliers**

e.g. for withdrawing vent tubes with wire.



**66003 | Screwdriver Set**

6 screwdrivers with longitudinal slot  
(1.0 mm/1.4 mm/2.0 mm/2.4 mm/3.0 mm/3.8 mm) in one set.



**77295 | Drill Holder, 10.5 cm**

For the manual removing of sound tubes using drills with shank diameter of 2.35 mm.



**77290 | Fiberglass Pen, 12 cm**

For the manual mat finish of earmolds or ITE face-plates.

**77291 | Spare Tip for Fiberglass Pen, 6 pieces**



# Tubes, Elbows and Accessories

Tubes, elbows, horn systems – the right accessories for high-quality earmolds. With the matching special parts, the fidelity of earmolds can be influenced individually. In various shapes and a great variety of colors. Contact us for information on our attractive sliding-scale prices.



## Sound Tube PVC, by the meter



|                     |              |  |   |               |
|---------------------|--------------|--|---|---------------|
| <b>1.5 x 2,5 mm</b> | <b>95500</b> |  | ○ | transparent   |
| <b>2.0 x 3.1 mm</b> | <b>95600</b> |  | ○ | transparent   |
|                     | <b>95700</b> |  | ● | flesh-colored |
|                     | <b>95603</b> |  | ● | blue          |
|                     | <b>95606</b> |  | ● | red           |
|                     | <b>95607</b> |  | ● | black         |
| <b>2.0 x 3.3 mm</b> | <b>95900</b> |  | ○ | transparent   |
|                     | <b>95705</b> |  | ● | flesh-colored |
| <b>2.0 x 4.0 mm</b> | <b>95800</b> |  | ○ | transparent   |



## Dry Tube

The special tube made of polyurethane lets moisture diffuse, thus preventing a possible condensation build up in the sound tube.

|                     |              |  |                           |
|---------------------|--------------|--|---------------------------|
| <b>2.0 x 3.0 mm</b> | <b>96600</b> |  | transparent, by the meter |
|                     | <b>96200</b> |  | pre-bent, piece           |



Aqua-Stop



## Horn Tube, Dry Tube

Apart from transporting moisture, this sound tube with its "horn" shape also supports the high frequencies, that are important for hearing clearly.

|              |  |               |                        |
|--------------|--|---------------|------------------------|
| <b>96300</b> |  | <b>3.0 mm</b> | inside diameter, piece |
| <b>96400</b> |  | <b>4.0 mm</b> | inside diameter, piece |



Our sound tubes, which are made of PVC materials, are **diethylhexyl phthalate free**.



## Bent Sound Tubes and Elbows

Various angles are available. Ideal for the optimum adaptation to individual anatomic requirements.

### Sound Tube PVC, wide, pre-bent, 80° (± 10°), piece



|                     |              |  |   |               |
|---------------------|--------------|--|---|---------------|
| <b>1.5 x 2.5 mm</b> | <b>95505</b> |  | ○ | transparent   |
| <b>2.0 x 3.1 mm</b> | <b>95100</b> |  | ○ | transparent   |
|                     | <b>95105</b> |  | ● | flesh-colored |
|                     | <b>95203</b> |  | ● | blue          |
|                     | <b>95206</b> |  | ● | red           |
|                     | <b>95207</b> |  | ● | black         |
| <b>2.0 x 3.3 mm</b> | <b>95905</b> |  | ○ | transparent   |
|                     | <b>95200</b> |  | ● | flesh-colored |
| <b>2.0 x 4.0 mm</b> | <b>95300</b> |  | ○ | transparent   |



### Sound Tube PVC, narrow, pre-bent, 60° (± 10°), piece



|                     |              |  |   |               |
|---------------------|--------------|--|---|---------------|
| <b>1.5 x 2.5 mm</b> | <b>95515</b> |  | ○ | transparent   |
| <b>2.0 x 3.1 mm</b> | <b>95110</b> |  | ○ | transparent   |
|                     | <b>95115</b> |  | ● | flesh-colored |
|                     | <b>95213</b> |  | ● | blue          |
|                     | <b>95216</b> |  | ● | red           |
|                     | <b>95217</b> |  | ● | black         |
| <b>2.0 x 3.3 mm</b> | <b>95915</b> |  | ○ | transparent   |
|                     | <b>95210</b> |  | ● | flesh-colored |



### Sound Tube with Wax Guard, pre-bent for open fittings

**96800** | **2.0 x 3.1 mm**, transparent, piece

**96900** | **Wax guard**, transparent, piece



## CROS-Tube with Wax Guard, anatomically pre-bent

2.0 x 3.1 mm, transparent, piece

96820 | left  
96821 | right



Elbow, wide, pre-bent, 80° (± 10°), piece

1.5 x 2.5 mm 90010 | ○ transparent  
90013 | ● blue  
90016 | ● red  
2.0 x 3.0 mm 90110 | ○ transparent



Elbow, narrow, pre-bent, 60° (± 10°), piece

With this special design of the hearing aid elbow, the requirements for a demanding earmold adaptation can be fulfilled more easily.

1.5 x 2.5 mm 90000 | ○ transparent  
90003 | ● blue  
90006 | ● red  
2.0 x 3.0 mm 90100 | ○ transparent  
90103 | ● blue  
90106 | ● red



## Nylon Tube

For manufacturing elbows. Available by the meter.

97200 | 1.5 x 2.5 mm  
97100 | 2.0 x 3.0 mm



## Horn Systems

The transmission of high frequencies, which are important for audibility, is supported while in sound transportation by using horn systems. We can offer you a wide selection to choose from.

Horn Tube, thin-sided

Inside diameter 3.0 mm

96000 | ○ transparent  
96007 | ● flesh-colored  
96001 | ● blue  
96004 | ● red  
96006 | ● black



Inside diameter 4.0 mm

96100 | ○ transparent  
96107 | ● flesh-colored  
96101 | ● blue  
96104 | ● red  
96106 | ● black



Horn Tube, thick-sided, transparent

96005 | Inside diameter 2.3 mm  
96700 | Inside diameter 3.0 mm  
96701 | Inside diameter 4.0 mm

96500 | Bakke-Horn

For integration into hard earmolds.



96502 | Horn Elbow

The gracile alternative to Bakke-Horn.



## Anchors

Special systems for attaching sound tubes to silicone earmolds – no gluing required.

egger flex Tube with Anchor

95400 | transparent  
95405 | flesh-colored



### 90200 | Plastic Anchor



### 90903 | Metal Expanding Attachment, gold-plated, short



### Connectors

For manufacturing earmolds for pocket hearing aids.

### 90901 | Snap Ring, for soft silicone earmolds For manufacturing earmolds the place marker (REF 90902) is needed, see page 159.



### 90900 | Snap Ring, for hard earmolds



### 36899 | Grip Stencil Set

Grip stencil for producing grip hollows on silicone earmolds, especially suited for hearing protection and splash protection earmolds. Can be used with the indirect and direct method for silicone cold-curing materials.

Set includes a small (Ø 12 mm) and a large grip stencil (Ø 15 mm).



### Handles for Silicone Earmolds

Red and blue plastic handles optional with connecting cord (plastic, in different colors) to be screwed into silicone earmolds

### 36988 | 5 pairs (5 x red, 5 x blue)

### 1 pair of Handles with connecting cord in:

- 369881 | ● blue
- 369882 | ● red
- 369883 | ○ transparent
- 369884 | ● black
- 369885 | ○ white
- 369886 | ● green
- 369887 | ● pink
- 369888 | ● purple



### Removal String

For easier removal of ITE shells, BTE and slim earmolds or hearing protection earmolds.

### 8814601 | 10 pieces

### 8814602 | 100 pieces



### Tube Junction

### 97002 | positive, for earmolds or stetoclip

### 97003 | negative, for external receivers



### Ear Plug, Olive-Shaped, with Tube

### 97021 | small

### 97022 | medium

### 97023 | large



# Digital Manufacturing of Earmolds

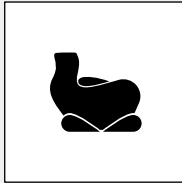
egger has all that you need for the digital production of earmolds: 3D scanner, 3D modelling software, 3D materials, 3D printer. And everything else for the production of biocompatible earmolds. So that everything is perfect inside the ear!





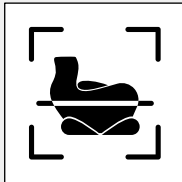
# Manufacturing Process –

## Digital Manufacturing of Earmolds



### 1. Impression

A precise ear impression is the prerequisite for a perfectly fitting earmold.



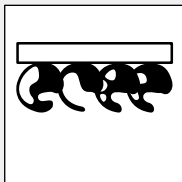
### 2. Scanning

The scanner is the start for the digital earmold manufacturing.



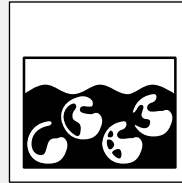
### 3. Modelling

Design your own earmold with the modelling software by “3Shape”.



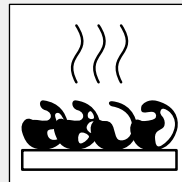
### 4. 3D Printer • 3D Materials

The egger product line evolupt® offers most modern 3D printers, along with our comprehensive 3D printing material. For any production volume. For any budget.



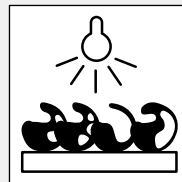
### 5. Cleaning

The earmolds need to be cleaned in isopropyl alcohol after the printjob.



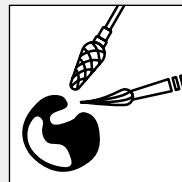
### 6. Drying

Drying is necessary to enable the solvents to evaporate from the cleaning process.



### 7. Post-curing process

Post-curing process is carried under inert atmosphere (nitrogen). This step is necessary to ensure the biocompatibility and the mechanical characteristics.



### 8. Surface finishing

We recommend to lacquer 3D printed earmolds with egger LP/H lacquer. Optionally: polish the surface mechanically or drum-polishing.

## Scanner

For your shop or lab. The new generation of 3Shape A-Scanners "red" without capacity limitations or other running costs (e.g. for software updates) make advanced, computer-aided design and manufacturing affordable for your business and provide a faster return on investment. Because of the beautiful design and ultra-quiet scanning, it is also ideal for specialist shops. Inclusive calibration unit, texture-scan and scan management software.

**43820 | A1 "Red"- Scanner 3Shape**, monaural for one impression  
Monaural scanning in 60 seconds.

"This item is currently only available in Germany".



**43821 | A2 "Red"- Scanner 3Shape**, binaural for two impressions  
Binaural scanning in 30 seconds only.

"This item is currently only available in Germany".



**43822 | A3 "Red"- Scanner 3Shape**, binaural for two impressions  
Ultra-fast binaural scanning in 16 seconds. Suitable for high-volume production. Scope of delivery includes two impression fixtures.

"This item is currently only available in Germany".



## CAD/CAM Software

3Shape solutions are based on a unique combination of 3D software, 3D scanners and production software to provide an integrated state of the art solution for audiologists, manufacturers and service provider for every production volume. We will be pleased to advise you for the various license models 3Shape offers:

- EarMouldDesigner, modelling software for earmolds
- ShellDesigner, modelling software for ITE hearing aids, noise protection and in ear monitoring
- ShellManager, software for unified production management

"This item is currently only available in Germany".



## 3D Printer

Under the trademark evolupt®, egger sells state-of-the-art 3D printers for the production of earmolds, cast forms and ITE-shells. For every production volume. For every budget. You can find the current printer models on our website. On request we will happy to send you our information brochure.








egger 3D Materials

For the layered production of hard and soft-flexible BTE earmolds, hearing protection, ITE shells and casts on 3D printers, we can offer you high quality light-curing materials for the 3D printers with a UV/LED light source 378–388 nm. With our universal 3D material selection, you can consistently use the advantage of 3D printing.

e3D.M01

e3D.M01 is a light-curing resin used for the generative, automatic fabrication of earmolds (earmolds for hearing aid users and individual hearing protection) based on systems with a light source of UV/LED 378–388 nm. e3D.M01 is based on (meth) acrylate and free of bisphenol A.

|  |        |         |
|--|--------|---------|
| <u>Contents:</u>   | 500 g  | 1,000 g |
|  transparent      | 430115 | 43011   |
|  pink-transparent | 430125 | 43012   |
|  red              | 430135 | 43013   |
|  blue             | 430145 | 43014   |
|  light-brown      | 430165 | 43016   |



e3D.S01

e3D.S01 is a light-curing resin used for the generative, automatic fabrication of ITE shells based on systems with a light source of UV/LED 378–388 nm. e3D.S01 is based on (meth) acrylate and free of bisphenol A.

|  |        |         |
|--|--------|---------|
| <u>Contents:</u>   | 500 g  | 1,000 g |
|  blue <sup>plus</sup> | 430255 | 43025   |
|  red <sup>plus</sup>  | 430265 | 43026   |
|  beige                | 430275 | 43027   |
|  white                | 430285 | 43028   |
|  black                | 430295 | 43029   |



e3D.C01

e3D.C01 is a light-curing resin used for the generative, automatic fabrication of cast molds (soft silicone earmolds for hearing aid users and for individual hearing protectors) based on systems with a light source of UV/LED 378–388 nm. e3D.C01 is based on (meth) acrylate and free of bisphenol A.

|  |        |         |
|--|--------|---------|
| <u>Contents:</u>   | 500 g  | 1,000 g |
|  orange | 430025 | 43002   |



43040 | e3D.CS01

Insulating agent for the generative, automatic fabrication of cast molds, made of light-curing resin, against A-silicones.

Contents: 500 ml



Just to let you know what our initials stand for

- e3D.**M**01: **M**old material for the fabrication of earmolds.
- e3D.**S**01: **S**hell material for the fabrication of ITE shells.
- e3D.**C**01: **C**ast material for the fabrication of casts.
- e3D.**CS**01: **C**ast **S**eparator (insulating agent) for casts.

## Cleaning

We recommend a separate tub for each material color for pre- and post-cleaning.

**86231 | Ultrasonic Cleaner Elmasonic S 30 H**, 230 V, contents 2.75 L

**86512 | Cleansing Tray (acid-resistant) with Lid**  
for ultrasonic cleaner Elmasonic S 30



**862316 | Ultrasonic Cleaner Elmasonic S 100 H**, 230 V, contents 9.5 L

**865121 | Cleansing Tray (acid-resistant) with Lid** for ultrasonic cleaner Elmasonic S 100



## Drying

**61015 | Thermal Oven**, 230 V



## Post-curing

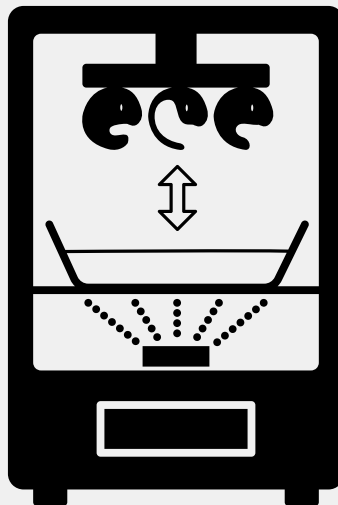
**51666 | Otoflash G171 with Protective Gas Function**, 100–230 V,  
with plexiglas tray and accessories for gas connection



## Surface Finishing

A comprehensive range of lacquers and tools for mechanical processing can be found in the chapters "Service and repairs" and "Finishing and surface treatment".





# Impression Preparation / Negative Mold Manufacture

Exact preparation of the impression is important:

A precise and comfortable fit of the earmold is dependent on the preparation efforts. The wax layer influences the seal and wearing comfort of the future earmold. Suitable equipment results in an efficient and economically manufactured negative mold: Tools and materials are used depending on the production output and production process. This leads to an optimum working process.



127 - 131 | Impression Preparation  
132 - 137 | Negative Mold Manufacture

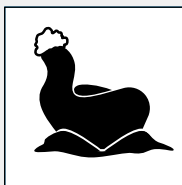


# Manufacturing Process –

## Preparing the Impression

- the first important step towards manufacturing a precision earmold
- the prepared impression is the key to success
- the wax coating influences the quality of the finished earmold concerning comfort and sealing
- is the basis for all earmold manufacturing processes

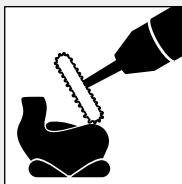
Please also consider our cedis Profi product range for work safety, hand and skin care, which is part of our cedis care program. For the complete product range, please see pages 74 - 79.



- 1.** Check the impression. Pay attention to exact application and the length of the auditory canal



- 2.** Trim the auditory canal and cymba of the impression



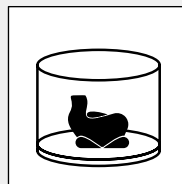
- 3.** Round all edges and interfaces and smooth surface gently



- 4.** Level irregularities, holes or scratches with correcting wax



- 5.** Apply a thin and even interlayer (wax or lacquer L)



- 6.** Place the impression securely in a duplicating flask/investment form suitable for the chosen manufacturing process

### 61210-1 | Electrical Wax Knife easy Waxer, 230V

Compact, powerful modeling unit with a light and easily manageable modeling handle including two tips and stand, for precise corrections of impressions using correcting wax. Adjustable temperature range: 50–225 °C (122–437 °F).

Output: 9W

Working temperature: 50–225 °C (122–437 °F)

Weight: 0.75 kg

Dimensions: W 100 x D 160 x H 80 mm

Spare parts:

61213 | **Tip**, standard

61214 | **Tip**, knife-shaped



### 61230 | Electric Wax Knife ECO, incl. correcting wax

Favorably-priced starter kit with four different modeling tips and a jar of egger correcting wax (REF 41300). Due to its steplessly adjustable temperature, the unit heats up quickly to the desired temperature of 50–350 °C (122–662 °F). Heat is controlled through the high-performance heating element and circuit.

Contents:

wax station with iron, 4 different modeling tips, correcting wax, red, 70 g

Voltage: 230V / 50 Hz

Output: max. 10W

Spare parts:

61232 | **Modeling Awl**

61233 | **Modeling Blade**

61234 | **Modeling Spatula**

61235 | **Modeling Knife**, bent



Kit



### 41300 | Correcting Wax red, 70 g

For correcting and refilling impressions e.g. by using an electrical wax knife.





#### 65005 | Wax Immersion and Duplicating Device, 230 V

Complete unit with electrical heating plate and lid for melting wax, adjustable thermostat with overheating protection.

**Also available as a 115 V device.**

Dimensions: Ø 150 mm

Weight: 1.2 kg

Capacity: 0.9 l



#### 66250 | Temperature Control TR4 for Wax Immersion and Duplicating Device, 230 V

Electronic controller for optimum control of the wax temperature. The temperature control ensures that the wax layers spread evenly during professional use. The built-in power control unit adjusts the heat demand for an optimum temperature and is equipped with a permanent actual temperature indicator. Set values to be programmed manually. It is equipped with a visual alarm for critical temperatures. Suitable for the wax immersion and duplicating device (REF 65005).

**Also available as a 115 V device.**

Dimensions: W 125 x D 180 x H 150 mm

Weight: 1.9 kg

Output: 16 A / 3500 W



#### 66220 | Wax Immersion Kit Profi, 230 V

All in one! Set at a favorable initial price. It consists of the temperature control unit TR4, the dipping sieve, the wax immersion and duplicating device with heating plate and the holder for the temperature sensor – perfect for working professionally with all types of dipping waxes.

**Also available as a 115 V device.**



Accessories for wax immersion and duplicating device:

#### 65007 | Holder for Digital Thermometer

#### 65002 | Digital Thermometer

For manual temperature control of wax and duplicating material.

#### 65004 | Dipping Sieve

Holds the impressions that are to be wax coated in the wax immersion and duplicating device.



**41201 | Immersion Wax, Special**, green, 500 g

Special wax composition for insulating the impressions. Universally suitable for A- and C-type silicone impression materials – results in an even and highly elastic wax film layer.

Recommended processing temperature 95 °C (203 °F).



**41100 | Immersion Wax, Standard**, pink, 500 g

Wax sheets for insulating the impressions, also suitable for modeling the interlayer when countereng.

Recommended processing temperature: 75 °C (167 °F).



**Lacquer L**

Air-drying silicone lacquer for the preparation of impressions for the manufacturing of negative molds with plaster or gel duplicating material.

*In aluminum bottle:*

**375030 | 30 ml**, incl. 5 disposable brushes

**37501 | 100 ml**

**37502 | 250 ml**

**37503 | 500 ml**

**37506 | 1000 ml**



**49600 | Square Stone for Trimmer**

For shaping trimmers and rubber polishers.



**Trimmer**, assembled

For executing alternations and corrections on silicone earmolds and impressions.

**77200 | Pear-Shaped**

**77201 | Pointed and Slim**



**73600 | Mandrel**

For polishing disc (REF 74200).



**74200 | Soft Polishing Disc**, green, unassembled, 10 pieces

For treating impressions in connection with mandrel (REF 73600).



**45300 | Scalpel with 1 Blade**, flat handle

**46200 | Spare Blades**, 5 pieces



**45500 | Universal Knife**

For trimming impressions.

**45502 | Spare Blades**, 10 pieces



**24100 | Pencil for Marking Impressions**



# Manufacturing Process and Summary

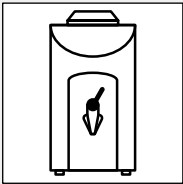
## of Possible Methods for

### Manufacturing Negative Molds or Blanks

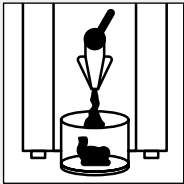
Determine which earmold material is the right one for your customer. The manufacturing process for the negative mold or blank is then derived from this decision. Different possibilities are available for combining the suitable negative mold material with the processing method of your choice. The following overview summarizes the possible combinations:

|   | Manufacturing process of earmolds |                                 |                                |                      |                     |   |
|---|-----------------------------------|---------------------------------|--------------------------------|----------------------|---------------------|---|
| Negative mold material                  | UV-polymerization                 | Cold polymerization of acrylics | Hot polymerization of acrylics | Silicone cold-curing | Silicone hot-curing | Advantages  |
| Duplicating material gel or concentrate | X                                 | X                               |                                | X                    |                     | reusable, high reproduction accuracy  |
| Duplicating silicone transparent        | X                                 | X                               |                                |                      |                     | shrink-proof, perfect for control forms, highly transparent > reduces polymerization time |
| Plaster                                 |                                   | X                               | X                              | X                    | X                   | extremely economical method in large numbers, suitable for hot-curing polymerizates       |

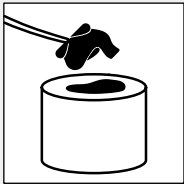
### Manufacturing Negative Molds with Duplicating Gel



1. Prepare duplicating material and concentrate in the duplicating unit Gelovit 200 in an automatic process



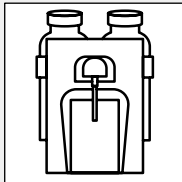
2. Fill investment form and let it cool down



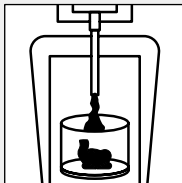
3. Remove impression after material hardens, free negative mold of wax residues

## Manufacturing Negative Molds with

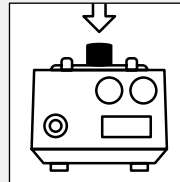
### Duplicating Silicone transparent



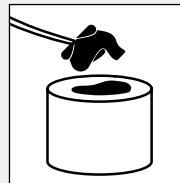
1. Mix components A and B evenly, either manually or using the mixing device SIDOMIX II



2. Fill investment form



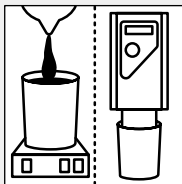
3. Put negative mold for approx. 15 minutes into pressure pot for bubble-free hardening (optional)



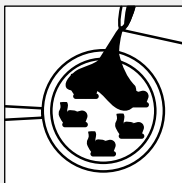
4. Remove impression, free negative mold of wax residues

## Manufacturing Negative Molds with

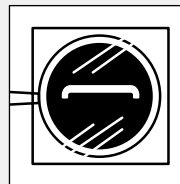
### Plaster



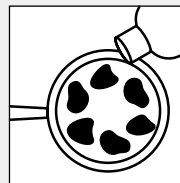
1. Mix plaster under vacuum



2. Fill plaster into investment form or Micropol flask



3. Let it harden for approx. 15 to 20 minutes



4. Remove impression, remove wax residues by boiling, let plaster form dry and insulate it with Isolat

## Manufacturing Negative Molds with Duplicating Gel

The egger duplicating material is a proven negative mold material of a type of hydrocolloid. Due to its transparency, the material is especially suitable for processing with the light-curing technique. The material can also be used for processing acrylic cold polymerizates and silicone cold vulcanizing material. The material is characterized by its extremely high reproduction accuracy. It can be reused several times.

### Duplicating Material

Ready-to-use material for processing in duplicating unit Gelovit 200 or in the wax immersion and duplicating device (REF 65005), see page 129.

#### 40900 | 6 kg (bucket)



Ready-to-use material for fast processing, e.g. in a microwave oven; suited for small numbers.

#### 40903 | 350 g (container)



#### 40909 | Duplicating Material (Concentrate), 3 l can

We recommend mixing and processing the material in duplicating unit Gelovit 200. A mixture of the total volume with 1.5 l water produces about 5.3 kg. Due to a reduction in weight of 50 %, you save on cargo and handling.



### 61790 | Duplicating Unit Gelovit 200, 230 V

High-performance, compact duplicating device for melting reusable egger duplicating material. The brushless motor is developed especially for a high dimension of durability and combines the advantages of high traction and low-maintenance and service life. The programmable motor allows a sophisticated preparation concept with temperature control and stirring for melting and cool down. The special heating strategy prevents residue deposits and nozzle blockages whilst maintaining homogeneity. The clearly laid out display provides information on all parameters. 4 temperature levels guarantee a uniform heat distribution for the complete capacity. An optical signal informs about the suggested period of exchange of the duplicating gel insures consistent process stability. Suggested filling capacity: 3–6 kg.

**Also available as a 115 V device.**

Dimensions: W 310 x D 355 x H 565 mm

Weight: 20 kg



Efficient and robust



## Manufacturing Negative Molds with Duplicating Silicone

### Duplicating Silicone transparent

Addition-vulcanizing casting silicone for manufacturing negative molds. The material's high-level transparency reduces the polymerization time compared to other materials. Especially suitable for the processing of UV-polymerizates and cold polymerizates or the manufacturing of ITE-control forms. Mixing ratio 1 : 1

*Final degree of hardness:* approx. 17 shore

**41001 | 2 x 5 l Can**

**41000 | 2 x 1 l Bottle**

**41003 | 8 Cartridges (2 x 25 ml)\***

\*Matching mixing canulas and inject pistol are listed in our chapter on Impression Taking Technique from page 80.



### 54561 | Silicone-Mixing Device SIDOMIX II, 230 V

Measuring and mixing device for automatic mixing of high-quality egger duplicating silicones. The optimized feed pump and the disposable static mixing canulas (S 50), that can be exchanged easily, ensure bubble-free and homogenic mixing of silicone components and therefore minimizing material consumption. Transparent refillable containers with 2 Liter content (material reservoirs) and 100 mixing canulas are also included.

**Also available as a 115 V device.**

*Dimensions incl. handle:* W 290 x D 450 x H 310 mm

*Dimensions without handle:* W 200 x D 440 x H 310 mm

*Weight:* 11.9 kg



Automatic mixing

### Mixing Canulas S 50, pink

Inner diameter (tip): 4.8 mm

Diameter (total): 6.75 mm

**25151 | 40 pieces**

**25152 | 100 pieces**



Please order mixing canulas separately.

### Pressure Pot

For manufacturing a bubble-free silicone negative mold, we recommend vulcanizing the material in a pressure pot. Further product information is available in our chapter on Polymerization of Acrylics from page 160.



## Manufacturing Negative Molds with Plaster

### Plaster Mixing Devices

We can offer you various designs of dosing and vacuum mixing units needed for mixing plaster.

Please request an updated offer for the model you require.



**41509 | Plaster, Semi-Hard, 25 kg**

**40300 | Plaster Accelerator, 1 kg**



### Micropol 2000

When manufacturing a plaster negative mold, we recommend using the Micropol 2000. Further product information is available in our chapter on Polymerization of Acrylics from page 160.



### 64709 | Microwave Oven

For quick polymerization of ITE shells and earmolds and for vulcanizing silicone earmolds in the special Micropol duplicating flasks, steplessly adjustable. Turntable included.

Voltage: 230–240 V



### Auxiliary materials for manufacturing plaster forms

**39901 | Isolat, 5 l**

Alginate insulating agent for separating plaster forms from resins and silicones. Suitable for all acrylics and hot-curing materials.





## Plaster Solvent

For the thorough cleaning of all plaster mixing units and plaster-caked items.

40101 | 1 l

40100 | 5 l



## Accessories for Manufacturing Negative Molds

### Gasket Forms

55040 | Ø 26 mm, 25 pieces

55041 | Ø 35 mm, 25 pieces

55042 | Ø 40 mm, 25 pieces



### Bottom Parts for Gasket Forms

55043 | Ø 26 mm

55044 | Ø 35 mm

55045 | Ø 40 mm



52900 | Investment Form, transparent,

Ø 50 mm

With removable lid.



53000 | Investment Form, transparent,

Ø 50 mm

With two removable lids.



## Silicone Investment Form

Suitable for manufacturing negative molds of duplicating material, duplicating silicone or plaster.

52100 | Ø 5 cm

52300 | Ø 11 cm



## 46700 | Impression-Removing Instrument

For easy removal of impressions out of the negative mold.



## Adhesive Wax, red

For fixing the isolated impressions in investment forms or on investment kits.

41104 | 120 g

41102 | 1 kg



## Wax Knife

For deburring the plaster form after removal of the impression.

45000 | small

45100 | large



# UV-Polymerization / Venting

Manufacturing earmolds and ventings using UV-polymerization for reliable product quality. Easy handling, efficient processing. UV-polymerization and venting have various and simple uses at low investment costs. Suitable for open fittings and BTE hearing aid systems, ITE shells and hearing protection.



139 - 147 | UV-Polymerization  
148 - 151 | Venting



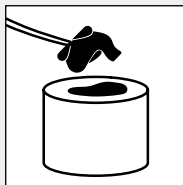
# Manufacturing Process –

## UV-Polymerization

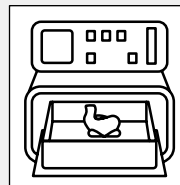
One-component material on the basis of polyurethane/acrylate is used for working with the UV-polymerization technique for manufacturing earmolds.

### Advantages:

- quality material available in transparent and pink-transparent for earmolds and in beige, flesh, red and blue for ITE shells
- special colorations are possible
- hard, impact-tough material
- also applicable for hearing protection
- modular system, therefore also suitable for small numbers of items
- clean and space-saving manufacturing process
- very tissue-friendly
- reasonable cost-benefit ratio
- usable in the usual UV-curing units



Manufacturing of negative molds from page 132



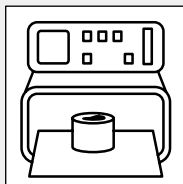
3. Take the blank out of the negative mold for post-polymerization in the LP-Cleaner bath or under inert gas (nitrogen)



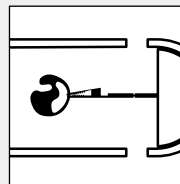
1. Fill the LP material into the transparent negative mold



4. Shape the blank with special cutters (from page 169)



2. Put the negative mold into the UV-curing unit EL 1, EL 1 plus N<sub>2</sub> or EL 2 for polymerization



5. After shaping and finishing varnish it with LP lacquers (see page 108)

Materials and devices to set vents and for repairs see pages 98-115 and 148-151.

## egger LP UV-Curing Materials

We offer high-quality UV-materials for manufacturing

- earmolds for BTE hearing systems and open fittings
- ITE shells
- hearing protection

The outstanding feature of our UV-materials are their color stability, i.e. the color pigments will not settle at the bottom. Additional mixing before use is no longer necessary. We guarantee you stable and continuous quality. With egger LP/HS we offer a special material formula that is highly suitable for manufacturing graceful earmolds and is used evermore with open fit hearing systems and ITE hearing aids. egger LP/HS draws attention due to its improved breaking strength when compared to the standard formulas.



### egger LP/HS Impact-Resistant

Hard UV-polymerizates for the production of extremely fracture-proof BTE earmolds, ITE shells and hearing protection.

#### clear

30022 | ○ 600 g aluminum bottle

#### pink-transparent

30122 | ● 600 g aluminum bottle



### egger LP/H, Standard

Hard UV-polymerizates for the production of BTE earmolds, ITE shells and hearing protection.

#### clear

30005 | ○ 300 g aluminum bottle

30008 | ○ 600 g aluminum bottle

#### pink-transparent

30105 | ● 300 g aluminum bottle

30108 | ● 600 g aluminum bottle

Hard UV-polymerizates for the production of ITE shells

#### beige

30405 | ● 300 g aluminum bottle

30408 | ● 600 g aluminum bottle

#### flesh-colored

29905 | ● 300 g aluminum bottle

29908 | ● 600 g aluminum bottle

#### red

29711 | ● 300 g aluminum bottle

29720 | ● 600 g aluminum bottle

#### blue

29716 | ● 300 g aluminum bottle

29725 | ● 600 g aluminum bottle



### egger LP Modeling Pastes

UV-curing modeling pastes in different colorations for repairing or modifying earmolds and for shaping vents are listed in our chapter on Services and Repairs see page 98 and Venting see page 148.



### egger LP Lacquers

Numerous UV-curing lacquers for various uses are described in a detailed list in our wide selection of lacquers in the chapter on Services and Repairs see page 108.



## egger EL UV-Curing Units

With the devices from our EL-series, we offer you individually designed modules for every kind of use. We also offer you the possibility of equipping your own otoplastics laboratory at low investment cost.

### 51200 | egger EL 2, 230 V

The ideal first solution into setting up your own production! UV-curing unit for manufacturing BTE earmolds, hearing protection, ITE shells and for varnishing operations. The interior space can hold up to six BTE earmolds. The integrated timer (precision: 1 second) and the light tubes, which are on two levels and individually switchable, let you set the curing times as needed. The device is equipped with two UVA light tubes and two blue fluorescent light tubes. The casing is made of high-quality, powder-coated metal.



Output: 80 W

Dimensions: W 280 x D 240 x H 120 mm

Weight: 5.4 kg

Working surface: 160 x 110 mm

#### Accessories and spare parts for EL 2:

**50141 | Maintenance Set** consisting of 2 UVA light tubes, 2 blue fluorescent light tubes and replacement reflectors

**51202 | Light Protection Lid, red**

**51204 | Set of Reflecting Foils**

**51203 | Countertop**



The ideal first solution

**51370 | Set LED Light-Curing Unit eLED.LP3 • Turning Motor eTM.B03**  
**51360 | Set LED Light-Curing Unit eLED.LP3 • Turning Motor eTM.PS3**



**Set**

The advanced, elegantly designed LED light-curing unit/turning motor set for the acoustician's shop and laboratory. Equipped with durable and energy-saving LED elements, the eLED.LP3 reflects the latest in technology. Together with the turning motor, the set with its appealing design seems well-rounded and appreciates the service station in the acoustician's shop and shows your "trade from its beautiful side". It can be carried along in its space-saving format to home visits and looks just as appealing in the laboratory. Attractive is also the price advantage for the set compared to the individual price.

**Decoration not included.**

**51350 | eLED.LP3**

- LED technology with high effectiveness, designed for the gentle polymerization of light-curing resins, e. g. LP/H lacquer and LP/W lacquer
- touch sensitive button for ON/OFF time pre-selection, depending on the application the exposure time is pre-selectable, afterwards the device turns off automatically
- shorter and material friendly curing times contribute to an efficient working process and flawless results during lacquering, modification and repairs
- examples for post-production applications on BTE and ITE earmolds, which have been manufactured of polymerizates or other hard acrylics:
  - glazing with LP/H lacquers, among others as precaution against skin irritations
  - anti-slip coating with LP/W lacquer, among others to improve the retention in the ear
  - diminishing/sealing vents
  - attachment of retention points with modeling paste
- altogether 6 LEDs guarantee a reliable and even illumination of the exposed area
- low operating costs and follow-up costs due to a low power demand and durable light source (> 20,000 h)
- robust metal casing with high-quality coating, easy to clean
- universal power supply unit makes transnational use possible

Voltage input: AC 100–240 V

Power consumption: 15 W

Illumination modes: 3 modes

Size illumination area: approx. W 70 x L 110 mm

Dimensions: approx. W 80 x L 160 x H 95 mm

Weight: 0.8 kg

Number of illuminants: 6 LEDs

Spectral distribution: 375–405 nm



Accessories:

**51351 | Insert** (incl. 5 units metalized carton)

**51352 | Metalized carton** (5 units)



**89320 | eTM.B03**

During post-production lacquering and coating, the continuous rotation guarantees that the material is distributed evenly across the surface (prevents the build-up of sags), the polymerization takes place gently and homogeneously. Turning motor incl. batteries for battery operation; power supply unit (optionally available).

Batteries: 2 x AA

Dimensions: W 80 x L 55 x H 95 mm

Weight: 0.5 kg

Revolutions: approx. 17 U/min



**89330 | eTM.PS3**

Turning motor incl. power supply unit (alternatively can be operated with batteries, not included) see eTM.B03 without batteries

Power supply unit:

Input AC 100–240V ~ 50–60Hz, 180 mA; Output: DC 5V; 1000 mA



Also available as service  
and repair set  
(see page 102).



**Set**



### 51100 | egger EL 1, 230 V

Universally usable UV-curing unit for your laboratory operations. Light-curing unit for manufacturing BTE earmolds, hearing protection, ITE shells and for varnishing. The interior space can hold up to 8 BTE earmolds or 12 ITE shells. The integrated timer (precision: 1 second) and the light tubes, which are on three levels and individually switchable, let you set the curing times as needed for each step of production. The device is equipped with six UVA light tubes and four blue fluorescent light tubes. The casing is made of high-quality metal. A fan protects the unit from overheating.

Delivery includes the reflecting and removable metal plate which is used for varnishing operations. The matching varnishing holder set can be ordered under REF 51207.

**Also available as a 115 V device.**

Output: 180 W

Dimensions: W 280 x D 300 x H 210 mm

Weight: 9.5 kg

Working surface: 215 x 160 mm



Universally usable



### 51110 | egger EL 1 plus N<sub>2</sub>, 230 V

The professional device for your laboratory operations! Same model as the standard device EL 1, but additionally equipped with a gas supply. Thus post-curing can be carried out in a work box under inert atmosphere (nitrogen). This technique prevents the formation of an inhibitory layer since no oxygen influences the polymerization operation. Therefore, the use of the LP-Cleaner can be eliminated and thus the manufacturing process is more efficient and less messy. Nitrogen is harmless if used properly, and it is obtainable in specialist shops. Gas supply to be installed by skilled specialists only! Incl. 1.5 meter gas hose

Delivery includes the reflecting and removable metal plate which is used for varnishing operations. The matching varnishing holder set can be ordered under REF 51207.

**Also available as a 115 V device.**

Output: 190 W

Dimensions: W 280 x D 300 x H 210 mm

Weight: 10.7 kg

Working surface: 215 x 160 mm

Gas pressure: up to 1.5 bar

Pressure reducer not included in delivery.



Professional





*Accessories and spare parts for EL 1 and EL 1 plus N<sub>2</sub>:*

**50142 | Maintenance Set** consisting of 6 UVA light tubes, 4 blue fluorescent light tubes and replacement reflectors

**51102 | Light Protection Lid**, red

**51103 | Countertop**

**51104 | Set of Reflectors**

*Accessories and spare parts for EL 1 plus N<sub>2</sub>:*

**51113 | Pressure Reducer for Gas Bottle**, incl. 1.5 m gas hose

**51114 | Rectangular Container**, especially for post-curing under inert gas



**51205 | egger EL 4, 230 V**

The professional device for your laboratory operations! The proven UV-curing unit egger EL 4 can be universally used in otoplastic laboratories. It was especially developed to polymerize UV-curing resins such as lacquers and modeling pastes and is ideally suited for lacquering (glazing), modifications or repairs. The size of the polymerization chamber is large enough to process up to 25 earmolds and/or ITE shells in a single work step. The most used curing times of two to four minutes are pre-set. Thus a personal check on curing times is no longer necessary and the processing procedures will be even more comfortable. The surface polymerization is highly efficient due to the positioning of the six UVA light tubes and the reflecting finish of the unit's interior. The varnishing drawer's matching varnishing holder set can be ordered under REF 51207.

*Output:* 150 W

*Dimensions:* W 220 x H 300 x D 110 mm

*Weight:* 5.5 kg

*Working surface:* 190 x 160 mm

*Accessories and spare parts for EL 4:*

**50143 | Maintenance Set** consisting of 6 UVA-light tubes and replacement reflectors

**51209 | Set of Reflecting Foils**

**51208 | Varnishing Drawer**



## Spare Light Tubes for egger EL UV-Curing Units

**50103** | **UVA, 9 W** (light color no. 78 or 10)

**50104** | **Blue light, 9 W** (light color no. 71 or 52)

Please also note our favorably priced maintenance sets which are listed as spare parts with the UV-curing units.



## Accessories and Auxiliary Materials for UV-Polymerization

### Container for the second polymerization using LP-Cleaner

suitable for the UV-curing units egger EL 1, EL 2 and EL 4

**52800** | **Round Container**, Ø 50 mm, without lid

**50107** | **Rectangular Container**, (W 110 x H 55 x D 100 mm)



### Black Foil

Used especially for manufacturing ITE shells. It shuts out the UV-rays from the top during the first stage of the polymerization process.

**53200** | **Ø 2.5 cm**, 100 pieces

**53100** | **Ø 4.5 cm**, 100 pieces



## LP-Cleaner

For the second polymerization of the sticky surface (inhibition layer) which forms during UV-polymerization due to the exposure to oxygen.

**31301** | **100 ml**

**31303** | **250 ml**

**31300** | **1000 ml**



### 53400 | Dispenser for egger LP/H Materials

With pump mechanism for an easy, mess-free and bubble-free dosage of LP/H materials, suitable for the 300 g and 600 g aluminum bottles.

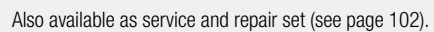
Tubing can be modified to fit every bottle size.



### 44010 | Dial Caliper (Precision Meter)

Special precision meter (caliper) to determine the wall thickness of ITE earmolds.



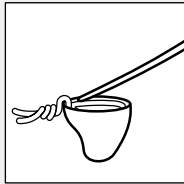


# Manufacturing Process – Shaping Vents with egger LP Modeling Pastes

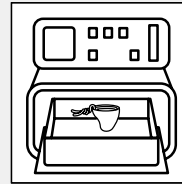
You will find all products you need for the shaping of vents  
in our extensive product range.

Advantages:

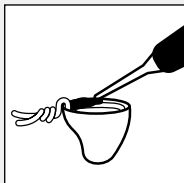
- easy to process
- applicable for all standard UV-polymerizates as well as hard acrylates
- low investment costs



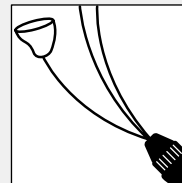
1. Position vent tube with wire



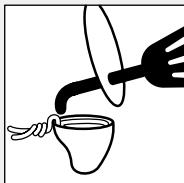
4. Let the material harden completely in  
LP-Cleaner bath or under inert gas (nitrogen)



2. Cover vent tube with LP modeling paste



5. Glue face-plate, mark vent outlet opening  
using the vent ear light and open it with  
suitable drill (Drills from page 169)



3. Harden LP modeling paste with light pistol  
and remove wire

## Modeling Pastes

### egger LP/H, hard

Stable, pasty consistency for shaping vents for ITE shells. Colors match the corresponding basis materials of the earmolds. Tubes with 20 g.

30800 | ○ transparent

31000 | ● beige

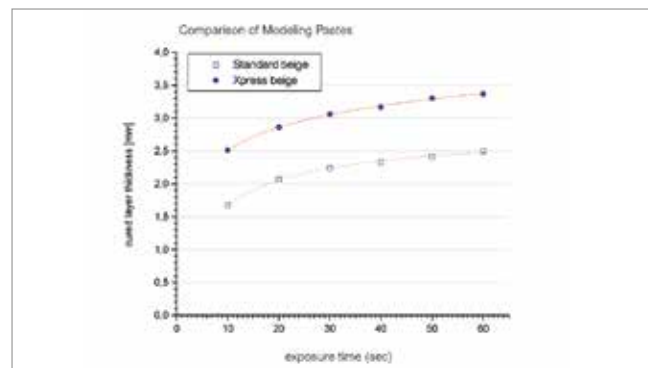
29610 | ● red

29615 | ● blue



### 31020 | Xpress, beige

Special formula, designed to correspond to the wave length of light pistols. The time needed for polymerization can be cut by up to 50 %!



### 51550 | Light Pistol Megalux CS, 230 V

High-performance halogen UV-curing unit for the polymerization of UV-curing modeling pastes (e.g. Xpress) for shaping vents or executing repairs. Due to integrated program settings, curing time can be set to 20 or 40 seconds or continuous operation. Scope of delivery includes a small light guide. Its diameter of 3 mm is ideally suited for shaping vents. In addition, delivery contains the light safety shield and a spare halogen bulb 75 W.

**Also available as a 115 V device.**

Output: 130 W

Spectral power distribution: 400–500 nm

Dimensions: W 160 x D 220 x H 80 mm



#### Spare parts:

51552 | **Spare Light Guide**, 3 mm

51503 | **Spare Halogen Bulb**, 75 W

Also suitable for Demetron and Optilux.

**31215 | Modeling Instrument**

For an easy modeling of UV-curing modeling pastes, e.g. for ventings in ITE shells.



**74701 | UV-Safety Goggles**

Safety protection for the eyes, especially for working with the light pistol.



**Vent Tube with Wire, 1 m**

For shaping vents in ITE shells.

- 92700** | Ø 1.0 mm (white)
- 92702** | Ø 1.4 mm (white)
- 92706** | Ø 1.6 mm (red)
- 92703** | Ø 2.0 mm (white)
- 92704** | Ø 2.4 mm (white)
- 92705** | Ø 3.0 mm (white)



**Silicone Ventilation Tube, 1 m**

An alternative to the inflexible vent.

|              | Inner diameter | Outer diameter |
|--------------|----------------|----------------|
| <b>92000</b> | 0.8 mm         | 1.6 mm         |
| <b>92100</b> | 1.0 mm         | 1.8 mm         |
| <b>92600</b> | 1.2 mm         | 2.0 mm         |
| <b>92200</b> | 1.5 mm         | 2.3 mm         |
| <b>92300</b> | 2.0 mm         | 2.8 mm         |
| <b>92400</b> | 2.5 mm         | 3.3 mm         |



**Dosing Needle for Cartridge Syringes (10 ccm and 30 ccm)**

- 53424** | **Stainless Steel**, brown
- 53415** | **Flexible**, brown



**53428 | Cartridge Syringe, 10 ccm, empty**

Cartridge syringes that are impervious to UV light, for manual dosing of materials. Perfect for easy dosing when shaping vents and modifying earmolds. Contents: Cylinder, hand piston, stopper and sealing cap.



### Vent Ear Light

A practical tool for shaping vents! Modified ear light with aluminum cap and three light guides in various sizes. By means of a light guide which is inserted into the vent, the exact drilling position on the face-plate can be determined. Great lighting due to the use of Xenon halogen lamp technology. Easy exchange of the individual light guides with an Allen key. Matching Allen key is included.

26611 | **black**

26623 | **blue**



Convenient assistant

#### Accessories for vent ear lights:

#### **Aluminum Cap for Vent Ear Light**

Light guide and Allen key included.

26915 | matches the model available from fall 2007

26908 | matches the model available until fall 2007

#### **Light Guide, 1 m**

26905 | Ø 0.5 mm

26906 | Ø 0.75 mm

26907 | Ø 1.0 mm



78023 | **Vario-Venting Set**, transparent



**Set**

#### Contents:

3 different inserts, outer diameter: 1.4 mm

3 different inserts, outer diameter: 2.0 mm

3 different inserts, outer diameter: 2.5 mm



# Silicone Technique

The technique for manufacturing high-quality, soft earmolds, hearing or splash protection earmolds has numerous possibilities. Choose from various colors and degrees of hardness. Whether you manufacture small or large numbers of earmolds: You choose the technique that suits your demands.



|                |                                  |
|----------------|----------------------------------|
| 153, 155 - 157 | Silicone Technique – Cold Curing |
| 154, 158       | Silicone Technique – Hot Curing  |
| 159            | Accessories                      |



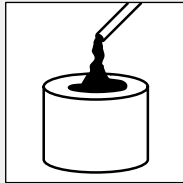


# Manufacturing Process – Silicone Technique – **Cold Curing**

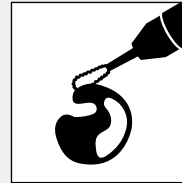
The proven technique with silicone cold-vulcanizing material egger flex/AB

Advantages:

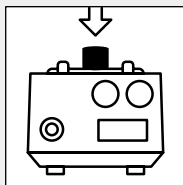
- tensile, flexible silicone material
- available in different hardness degrees (shore), combinable with each other
- wide color selection
- egger AQUA and egger flex S-Pro for floatable splash protection earmolds
- suitable for earmolds and noise protectors
- low investment costs
- fast and flexible manufacturing process (no post-curing necessary)
- partially suitable for the direct adapting method (no negative mold necessary)



- 1.** Fill egger flex/AB, AQUA, S-Pro with an inject pistol or an impression syringe into the negative mold



- 3.** Take the blank out of negative mold and shape it with special egger EF-cutters (from page 171)



- 2.** Cure material for about 15 minutes in a pressure pot



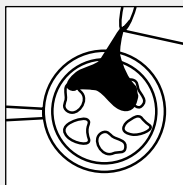
- 4.** Varnish with hot-curing lacquer signo or air drying lacquer L, L nano or lacquer opaco (see page 109)

# Manufacturing Process – Silicone Technique – **Hot Curing**

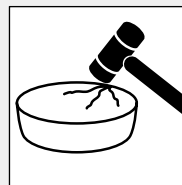
The versatile technique using the silicone hot-curing

Advantages:

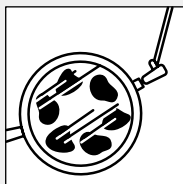
- very tensile, flexible silicone material
- available in 30 shore
- wide color selection
- Catamaran for floatable splash protection earmolds
- for earmolds and hearing protectors
- notably economical in large numbers



1. Two-component material mixing and fill in.



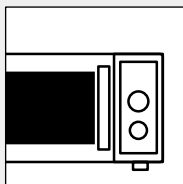
4. Take the blank out of flask



2. Close the Micropol flask and fill it with compressed air



5. Shape the blank with special EF-cutters  
(from page 171)



3. Cure material in microwave oven



6. Varnish with hot-curing lacquer signo or air  
drying lacquer L, L nano or lacquer opaco  
(see page 109)

Silicone Technique – Cold Curing

egger flex/AB

egger flex/AB is a high-quality and permanently elastic silicone for manufacturing ten-  
sile, soft-flexible BTE and noise protection earmolds. The different colors and shores  
are available and can be mixed with each other (e. g. for a soft auditory canal tip with  
a hard concha) egger flex/AB is usually processed with the indirect method using a  
negative mold (duplicating material or plaster). For a quick work process, we also offer  
the material with special formula for the direct use. Available colors: transparent and  
pink-transparent.



egger's colorful image

|   |                       |                              |                              |                              |
|---|-----------------------|------------------------------|------------------------------|------------------------------|
| egger flex/AB materials, developed for the<br><b>indirect use in the laboratory with<br/>prolonged processing and curing times.</b><br><i>Packaging unit:</i> 8 double cartridges à 2 x 25 ml   |                       |                              |                              |                              |
|   |                       | <b>25 shore*</b><br>Standard | <b>40 shore*</b><br>Standard | <b>60 shore*</b><br>S 50     |
|   | colorless-transparent | REF 20735                    | REF 20818                    | REF 20840                    |
|   | reddish-transparent   | REF 20801                    | REF 20810                    | REF 20841                    |
|   | blue                  |                              | REF 20704                    |                              |
|   | red                   |                              | REF 20703                    |                              |
|   | yellow                |                              | REF 20709                    |                              |
|   | green                 |                              | REF 20708                    |                              |
|   | orange                |                              | REF 20719                    |                              |
|   | pink                  |                              | REF 20835                    |                              |
|   | purple                |                              | REF 20836                    |                              |
|   | beige                 |                              | REF 20702                    |                              |
|   | black                 |                              | REF 20716                    |                              |
|   | white                 |                              | REF 20707                    |                              |
| egger flex/AB materials, especially developed for the<br><b>direct method with shorter process and curing times.</b><br><b>Also suitable for the indirect method in the laboratory.</b><br><i>Packaging unit:</i> 8 double cartridges à 2 x 25 ml |                       |                              |                              |                              |
|   |                       | <b>25 shore*</b><br>Standard | <b>40 shore*</b><br>Standard | <b>60 shore*</b><br>Standard |
|   | reddish-transparent   |                              | REF 20700                    | REF 20705                    |
|   | colorless-transparent |                              | REF 20718                    |                              |

\*Shore A (Final degree of hardness after 1 hour)

egger AQUA



egger AQUA is a floatable, elastic silicone for manufacturing splash and noise protection earmolds. The cold-curing material is extremely tensile and easy to use. egger AQUA is offered in different colors and can be used with the indirect method using a negative mold (duplicating material or plaster), as well as with the direct method.



|  |  |  |                              |  |
|--|--|--|------------------------------|--|
| egger AQUA, especially developed for the<br><b>direct method with a shorter processing and curing time.</b><br><b>Also suitable for the indirect method in the laboratory.</b><br><i>Packaging unit:</i> 8 double cartridges à 2 x 25 ml |  |  |                              |  |
|  |  |  | <b>35 shore*</b><br>Standard |  |
|  |  | red / blue – combination pack with 4 cartridges each | REF 36950                    |  |
|  |  | red  | REF 36951                    |  |
|  |  | blue   | REF 36952                    |  |
|  |  | yellow   | REF 36957                    |  |
|  |  | green  | REF 36958                    |  |
|  |  | orange   | REF 36959                    |  |
|  |  | black  | REF 36970                    |  |
|  |  | white  | REF 36971                    |  |
|  |  | purple   | REF 36972                    |  |
|  |  | pink   | REF 36973                    |  |

\*Shore A (Final degree of hardness after 1 h)



For the necessary accessories, e.g. inject pistol, mixing canulas and more, please see our chapter on Impression Technique from page 84.



egger flex S-Pro


egger flex S-Pro is a floatable, elastic silicone for splash and noise protection ear-molds. The cold-curing material is very tensile and easy to use. Due to its extreme softness, the two components can be mixed easily. egger flex S-Pro is mixed manually and used in the egger impression syringe (REF 25500). The material can be used for the indirect method with a negative mold (duplicating material or plaster) or for the direct method.



|  |      |   |           |
|--|------|---|-----------|
| egger flex S-Pro, especially developed for the<br><b>direct method with short processing and curing time.</b><br><b>Also suitable for the indirect method in the laboratory.</b> |      |   |           |
|  |      | 40 shore*   |           |
|  |      | 2 x 100 ml (Set incl. 1 pair of measuring spoons) | 2 x 5 l   |
|   | blue | REF 36985   | REF 36990 |
|   | red  | REF 36986   | REF 36991 |

\* Shore A (Final degree of hardness after 1 h)

For necessary accessories, e.g. impression syringe and more, please see our chapter on Impression Technique from page 87.



**Pressure Pots**

For manufacturing a bubble-free silicone earmold with the indirect method, we recommend vulcanizing the material in a pressure pot. For more information on these products, please see our chapter on Acrylics from pages 165 - 167.



Always under pressure



### Microflex

Addition-vulcanizing two-component silicone material with very soft composition for manufacturing permanently elastic BTE and noise protection earmolds with a final degree of hardness of approx. 30 shore A. Suitable for vulcanization in the microwave or thermal oven. Mixing ratio A : B = 9 : 1

1 kg + 100 ml hardener B

35900 | ● pink-transparent

35901 | ○ transparent



### Microflex Colored, 500 g, component A (without hardener B)

35411 | ● yellow

35412 | ● blue

35413 | ● green

35414 | ● black

35415 | ○ white

35410 | ● red

### Hardener B

35902 | 100 ml

35420 | 250 ml



### Catamaran, 400 g, component A (without hardener B)

Addition-vulcanizing two-component silicone material for manufacturing very soft-elastic, floatable splash protection and sound-absorbing earmolds. Suitable for hot-vulcanization in the microwave or thermal oven. Mixing ratio A : B = 8 : 1

36928 | ● red

36922 | ● blue

36917 | ● yellow

36906 | Hardener B, 100 ml



### Vacuum Mixing Units

On request we will be pleased to submit to you our offer on our vacuum mixing units, for mixing Microflex or Catamaran, with the most recent technical performance.



### Vulcanization

For the pressure polymerization unit "Micropol" and corresponding microwave needed for the curing process, please see our chapter on Acrylics see page 167.



## Accessories for the Silicone Technique

### Cold and Hot Curing

#### egger Silicone Lacquers

We offer a variety of silicone lacquers for different application fields. Please see our detailed overview in chapter Service and Repairs on page 109.



#### 36899 | Grip Stencil Set

Grip stencil for producing grip hollows on silicone earmolds, especially suited for hearing protection and splash protection earmolds. Can be used with the indirect and direct method for silicone cold-curing materials.

Set includes a small (Ø 12 mm) and a large grip stencil (Ø 15 mm).



#### 36909 | Mold Plate for Manufacturing Handles on Silicone Earmolds

The mold plate facilitates shaping handles for splash or noise protection earmolds. Thus, time and effort are reduced in manual processing. Usable for hot-curing silicone material as well as for the indirect method with cold-vulcanizing materials.



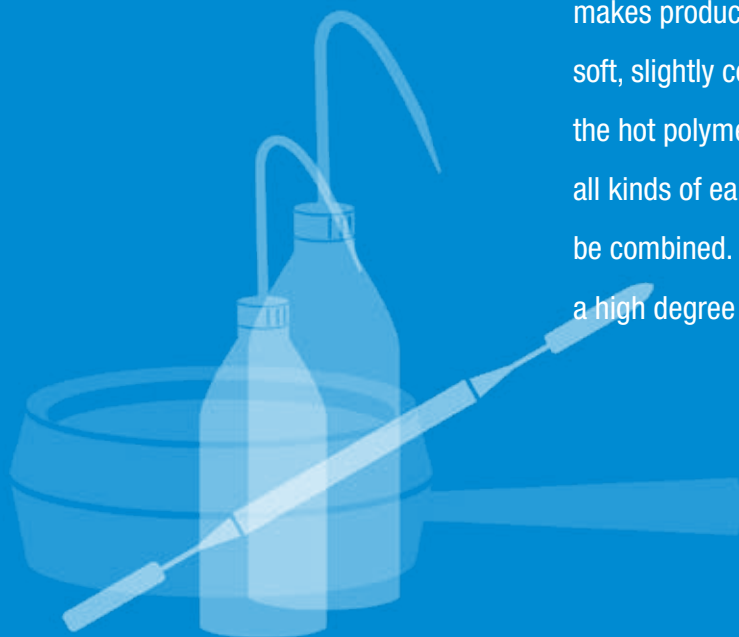
#### 90902 | Place Marker for Snap Ring Spring in Silicone Earmolds

For putting into the liquid silicone material to facilitate further elaboration. Suitable for cold-curing and hot-curing silicone materials.



# Acrylic Technique

Acrylic – a favorably priced and versatile material for manufacturing earmolds. Manufacturing earmolds using the cold polymerization procedure is a proven technique for successfully and efficiently manufacturing BTE earmolds, hearing protection and ITE shells of acrylics. In addition, the cold polymerization technique makes producing colored earmolds possible. Hard or soft, slightly colored or completely transparent – with the hot polymerization of acrylics, you can manufacture all kinds of earmolds. Hard and soft materials can also be combined. Using pressure and heat, earmolds with a high degree of hardness can be generated.





# Manufacturing Process – Cold Polymerization of Acrylics

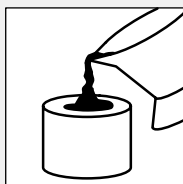
For the technique of cold polymerization, egger Acryl/B polymerizate is used.

Advantages:

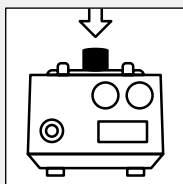
- impact-tough material
- available in various colors
- suitable for the manufacturing of BTE earmolds, noise protection and ITE shells
- colorful designs are possible with the use of color concentrates



- 1.** Mix monomer and polymer (powder) to a ratio of 1 : 2 and add color concentrate if desired



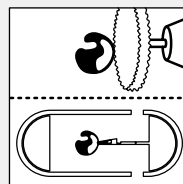
- 2.** Cast the mixed acrylate into the negative mold



- 3.** Harden the acrylate bubble-free in the pressure pot, 12 min. at 2–3 bar



- 4.** Take the blank out of the negative mold and shape it with special cutters (from page 169)



- 5.** Polish the surface (see page 174, 180/181) or varnish it with LP lacquers (see page 108)

## Manufacturing Process – Hot Polymerization of Acrylics

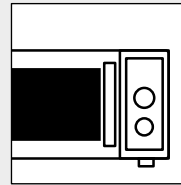
For this particular process different materials can be used. Polymerization usually occurs in the Micropol flask. The pressure pot Polymat now offers another possibility.

Advantages:

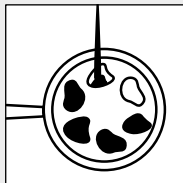
- high degree of hardness
- available in pink-transparent and transparent
- highly transparent after polishing
- suitable for manufacturing hard and soft, as well as combined earmolds (soft auditory canal, hard concha)
- notably economical in large numbers



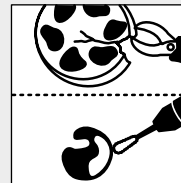
- 1.** Mix monomer and polymer (powder) according to indicated mixing ratio



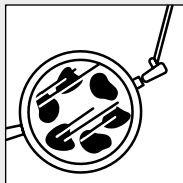
- 4.** Let the material polymerize in the microwave for approx. 10 minutes at 700 W



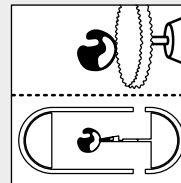
- 2.** Cast the mixed acrylate into the plaster mold of the Micropol flask



- 5.** Take the blank out of the negative mold and shape it with special cutters (from page 169)



- 3.** Close the Micropol flask and fill it with compressed air



- 6.** Polish the surface (see page 174, 180/181) or varnish it with LP lacquers (see page 108)

## egger Acryl/B

Cold polymerizing acrylic material for the manufacturing of hard, fadeless earmolds. Free of amine and cadmium. Polymerization under pressure at a minimum of 2 bar and a maximum of 6 bar and at a temperature of 40–45 °C (104–113 °F). Polymerization time: 12 minutes.

### Mixing ratio:

1 part monomer : 2 parts polymer

### egger Acryl/B Monomer (Liquid):

- 33501 | ○ transparent, 250 ml
- 33500 | ○ transparent, 500 ml
- 33090 | ● pink-flesh, 250 ml

### egger Acryl/B Polymer (Powder)

- 33000 | ○ transparent, 0.5 kg
- 33061 | ○ white, 0.2 kg
- 33067 | ● black, 0.2 kg



### egger Acryl/B liquid (monomer), 250 ml, colored

Cold polymerizing acrylic material for the manufacturing of hard colored earmolds. To be mixed with egger Acryl/B Polymer transparent.

### Mixing ratio:

1 part monomer : 2 parts polymer

- 33070 | ● neon yellow
- 33071 | ● yellow
- 33072 | ● neon orange
- 33073 | ● blue
- 33074 | ● neon pink
- 33075 | ● pink
- 33076 | ● esmerald
- 33077 | ● neon green
- 33078 | ● turquoise
- 33079 | ● purple
- 33080 | ● red



## Fricotherm

Hot polymerizing acrylic material for the manufacturing of high-quality hard earmolds by means of the microwave technique. Polymerization at a pressure of 7 bar in the Micropol 2000. Polymerization time: 10 minutes.

Mixing ratio for 10 earmolds: 28 g monomer : 50 g polymer

### Fricotherm Monomer (Liquid):

- 33400 | 1 l clear-transparent
- 33300 | 1 l pink

### Fricotherm Polymer (Powder), colorless:

- 33200 | 1 kg
- 33201 | 5 kg
- 33202 | 10 kg



## Varioflex

Hot polymerizing acrylic material for the manufacturing of soft, with body temperature smooth acrylic earmolds for the microwave technique. Combined earmolds (soft auditory canal, hard concha) possible by combining with Fricotherm. Polymerization at 7 bar pressure in Micropol 2000. Polymerization time: 10 minutes.

### Mixing ratio:

1 part monomer : 1 part polymer

### Varioflex – Monomer II (Liquid):

- 34102 | 1 l clear-transparent
- 34101 | 1 l pink

### Varioflex – Polymer (Powder):

- 34100 | 1 kg (colorless)



### Dispenser Bottles for Liquids

Bottles of transparent plastic for easy dosage, especially for monomer liquids.

47000 | 250 ml  
47100 | 500 ml  
47200 | 1000 ml



46800 | **Dispenser Bottle for Polymer**, 250 ml  
For storing and dosing of polymers.



### Measuring Beaker

Plastic beaker with scale for dosing monomer materials.

48300 | 25 ml  
48400 | 50 ml  
48500 | 100 ml



### Mixing Cup

Cup of flexible silicone for mixing monomer and polymer components. The 30 ml and the 70 ml cups are equipped with a practical pouring spout.

47800 | 5 ml  
47900 | 30 ml  
47700 | 70 ml



### Mixing Spatula

For mixing synthetic components.

26000 | small  
26100 | large



### 68601 | Digital Timer

Handy timer for the exact observation of curing times of ITE shells.







Application of Pressure Polymerization Units

The following table gives you an overview of pressure pots and their possible application fields.



Always under pressure

| Manufacturing step and material | Units  |   |  |  |
|---------------------------------|--|---|--|--|
|                                 | <div>Aquapress</div>  | <div>Acrylmat</div>  | <div>Polymat</div>  | <div>Micropol 2000</div>  |
| Negative mold of...             |  |   |  |  |
| Duplicating silicone            | X  | X   | X  |  |
| Plaster                         |  |   |  | X  |
| Manufacturing the blank of...   |  |   |  |  |
| Cold-cure acrylics              | X  | X   | X  |  |
| Hot-cure acrylics               |  |   | X  | X  |
| Cold-cure silicone              | X  | X   | X  |  |
| Hot-cure silicone               |  |   |  | X  |
|                                 |  |   |  |  |

#### 49800 | Aquapress

Pressure pot, manually operated and easy to handle. No compressed air and electricity supply required. Pressure up to 3 bar is generated by hand spindle.

Pot diameter: 100 mm

Operation temperature: up to 50 °C (122 °F)

Spare parts for Aquapress:

49805 | **Spare Pot**

49806 | **Thrust Piece** (black) for hand spindle

49802 | **Sealing Ring**



#### 53600 | Acrylmat Pressure Pot

Polymerization pressure pot, incl. compressed air outlet. Pressure up to 2.5 bar, max. operating temperature 60 °C (140 °F) for hardening silicone negative molds and polymerizing cold-curing acrylics. Compressed air supply required.

Inner diameter: 220 mm

Capacity: 6 l

Weight: 3.25 kg

53618 | **Sealing ring for Acrylmat**, Aluminium pot (white)

53603 | **Sealing ring for Acrylmat**, Stainless steel pot (black – for previous model)



#### 54200 | Polymat, 230 V

A pressure polymerization unit for the professional laboratory! Due to the amplified temperature range up to 120 °C (248 °F), cold-curing and hot-curing acrylics can be processed quickly. Also suitable for the manufacturing of bubble-free negative molds of silicone. The curing process of the material can be adjusted by stepless electronic temperature control as well as pressure (3–6 bar) and time (up to 60 min.) control. The outer heater is very durable and facilitates the cleaning of the corrosion-resistant stainless steel pressure pot. Water is withdrawn by a drain. A high safety level is provided by a pressure controller, pressure relief valve, pressure switch, temperature limiter and safety interlock. Electricity and compressed air supply required.

Pot diameter: 220 mm

Dimensions: W 380 x D 330 x H 330 mm

Inner height of pot: 190 mm

Weight: 24 kg

Heating output: 1500 W



#### 64300 | Micropol 2000

Pressure polymerization unit of chrome-hardened stainless steel for manufacturing earmolds (hard/soft, acrylics and silicones) by the means of microwave energy.



#### 64706 | Air Charger



#### Accessories:

##### 64302 | Investment Set for BTE Earmolds

##### 64304 | Cellophane Foil, 500 pieces

##### 64306 | Screwer for Valve



#### Spare parts:

##### 64310 | Rubber Membrane (Micropol 2000)

##### 64309 | Rubber Ring for Security Pane, gray

##### 64205 | Spare Valve

##### 64204 | Valve Insert

#### 64709 | Microwave Oven for Micropol

For quick polymerization of ITE shells and earmolds and for vulcanizing silicone earmolds in the special Micropol duplicating flasks, steplessly adjustable. Turntable included.

Voltage: 230 – 240 V



#### 44000 | Plaster Pliers

For removing earmolds out of the plaster negative molds.



#### egger LP Lacquers

Numerous UV-curing lacquers for various uses are described in a detailed list in our wide selection of lacquers in the chapter on Services and Repairs see page 108.



# Shaping and Surface Polishing

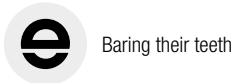
Precision tools can execute delicate operations on the earmold. Thus the earmold becomes comfortable to touch and wear. Specialty tools and polishing agents facilitate the perfect finish of surfaces. egger special tools are suited to meet the requirements of the different earmold materials. The result: The work on the earmold is easily executed and produces high quality results.








**egger Offers the Right Tool for Every Material.**

The egger specialty tools provide a high-quality manufacturing result! The following table will help you choose the drills and cutters that are right for you, so you will be able to quickly find the tools you are looking for in egger's wide product range!



|  | Toothing  |  |   |
|--|---|--|---|
|  | x-cut from page 170 - 172.  | plain cut from page 172/173  | cross cut from page 171/173/174   |
| Material   |  |  |  |
| hard UV-polymerizate   | X   | X  |   |
| hard acrylic material  | X   | X  |   |
| soft UV-polymerizate   |   |  | X   |
| soft acrylic material  | X   |  |   |
| silicone   |   |  | X   |
| All of our offered tools have a shank of 2.35 mm in diameter |   |  |   |

The disinfectant products of our cedis Profi product range are also suitable for use during the reworking of earmolds.  
For the complete cedis Profi product range, please see pages 74 - 79.



**Giving You the Right Tool for Every Need: Drill Sets.**  
They will provide you with all the necessary tools needed for the shaping of both, hard and soft earmold materials.  
Profit from our favorably priced sets!

The know-how of our experienced lab is knowledge you can trust.

### Usage and Safety Information for the Operation of Rotating Tools:

- Insert instrument as deeply as possible.
- Avoid jamming or levering the instrument.
- Discard bent, damaged or not properly functioning instruments.
- Observe recommended operating speed (see product description). If operating speed is exceeded, safety risk increases.
- To avoid damaging tools, do not apply too much pressure while working with the instrument.
- Use personal protective equipment.  
Respiratory protection: Ventilation (from page 182)  
Eye protection: Snug-fitting safety goggles (see page 182)  
Hand protection: Suitable protective gloves (see page 182) or skin protection products
- Please clean the collet chuck of the hand piece regularly, at least once a week.

Hand cleansing and skin care products are available from page 75.



Usage tips

### 70060 | Drill Set for Hard Earmold Materials

Drill set for shaping hard earmold materials. It is also suitable for soft, hot-curing polymerizates. This set gives you a great price advantage opposed to purchasing the drills separately!

#### Contents:

- 1 x REF 72900: Carbide Cutter, 4.0 mm
- 1 x REF 72800: Carbide Cutter, 6.0 mm
- 1 x REF 76501: Carbide Cutter, ball-shaped, 5.0 mm
- 1 x REF 76502: Carbide Cutter, ball-shaped, 8.0 mm
- 1 x REF 76600: Twist Drill, cylindrical, 0.8 mm
- 1 x REF 72300: Twist Drill, cylindrical, 1.0 mm
- 1 x REF 72400: Twist Drill, cylindrical, 1.4 mm
- 1 x REF 76700: Twist Drill, cylindrical, 2.0 mm
- 1 x REF 77000: Twist Drill, cylindrical, 2.5 mm
- 1 x REF 70200: Bur, round, 2.5 mm
- 1 x REF 70300: Bur, round, 2.9 mm
- 1 x REF 73100: Sand Paper Holder, short

Please consider each tool's maximum operating speed!



## 70070 | Drill Set for Soft Earmold Materials

Drill set for shaping soft earmolds (Silicone). This set gives you a great price advantage opposed to purchasing the drills separately!

### Contents:

- 1 x REF 77200: Trimmer, pear-shaped
- 1 x REF 76300: EF-Cutter, pointed, 4.0 mm
- 1 x REF 76000: EF-Cutter, ball-shaped, 4.0 mm
- 1 x REF 71400: EF-Cutter, ball-shaped, 7.0 mm
- 1 x REF 71200: EF-Cutter, round bur, 1.4 mm
- 1 x REF 72203: EF-Cutter, round bur, 3.1 mm
- 1 x REF 76600: Twist Drill, cylindrical, 0.8 mm
- 1 x REF 72300: Twist Drill, cylindrical, 1.0 mm
- 1 x REF 72400: Twist Drill, cylindrical, 1.4 mm
- 1 x REF 76700: Twist Drill, cylindrical, 2.0 mm
- 1 x REF 77000: Twist Drill, cylindrical, 2.5 mm
- 1 x REF 73100: Sand Paper Holder, short

Please consider each tool's maximum operating speed!



## Carbide Cutter

Staggered toothing cutter for working on hard acrylics, also suitable for soft hot-polymerizates. Carbide tools are characterized especially by their high durability, stability and efficient work performance.

*Please consider maximum operating speed:*

Diameter: 2.3–4.5 mm 40,000 rpm

Diameter: 4.5–8.0 mm 30,000 rpm

### Carbide Cutter

76400 | Ø 2.3 mm



### Carbide Cutter

72900 | Ø 4.0 mm



77500 | Ø 5.0 mm

### Carbide Cutter, pointed

72800 | Ø 6.0 mm



### Carbide Cutter, cylindrical

76401 | Ø 2.3 mm



72700 | Ø 6.0 mm



### Carbide Cutter, ball-shaped

76501 | Ø 5.0 mm

76500 | Ø 6.0 mm

76502 | Ø 8.0 mm



### HM Face-Plate-Trimmer

76900 | Ø 2.3 mm



## Left-Turning Carbide Cutters

Suitable for left-handed people, to be used with counter-clockwise control units. Please consider maximum operating speed of 30,000 rpm!

### Carbide Bur, round

76509 | Ø 0.8 mm

76510 | Ø 1.4 mm



### Carbide Cutter

76511 | Ø 2.3 mm



### Carbide Cutter

76512 | Ø 4.0 mm



### Carbide Cutter, fine-toothed

76513 | Ø 4.0 mm



### Carbide Cutter

76515 | Ø 6.0 mm



### Twist Drill, cylindrical

Please consider maximum operating speed of 30,000 rpm!

72100 | Ø 0.6 mm

76600 | Ø 0.8 mm

72300 | Ø 1.0 mm

72500 | Ø 1.2 mm

72400 | Ø 1.4 mm

72510 | Ø 1.6 mm

76700 | Ø 2.0 mm

72600 | Ø 2.35 mm

77000 | Ø 2.5 mm

76800 | Ø 2.9 mm



### Twist drill, short (7.5 mm cutting surface)

Please consider maximum operating speed of 30,000 rpm!

72610 | Ø 0.5 mm



## Steel Cutters with Plain Cut

### Bur, round

Please consider maximum operating speed of 30,000 rpm!

70001 | Ø 0.8 mm

70002 | Ø 1.0 mm

70003 | Ø 1.2 mm

70000 | Ø 1.4 mm

70004 | Ø 1.8 mm

70100 | Ø 2.1 mm

70006 | Ø 2.3 mm

70200 | Ø 2.5 mm

70300 | Ø 2.9 mm

70005 | Ø 3.1 mm

70400 | Ø 3.5 mm

70500 | Ø 4.0 mm

75200 | Ø 4.7 mm



### Cutter, ball-shaped

Please consider maximum operating speed of 20,000 rpm!

75300 | Ø 5.0 mm

73700 | Ø 6.0 mm

70600 | Ø 7.0 mm



### Cutter, pear-shaped

Please consider maximum operating speed of 30,000 rpm!

75500 | Ø 4.0 mm

70800 | Ø 6.0 mm



### Cutter, cylindrical

Please consider maximum operating speed of 30,000 rpm!

75100 | Ø 5.0 mm

75700 | Ø 6.0 mm



### Cutter, pointed

Please consider maximum operating speed of 30,000 rpm!

70900 | Ø 4.0 mm

71000 | Ø 5.0 mm



### Cutter, oval

Suited for the shaping of grip handles or cerumen hollows or for use in the cymba area.

Please consider maximum operating speed of 20,000 rpm!

75900 | Ø 6.0 mm

75401 | Ø 7.0 mm

70700 | Ø 8.0 mm



### 73300 | Positioning Bur for Snap Ring, 8.0 mm

Please consider maximum operating speed of 20,000 rpm!



### Trimmer, assembled

For shaping and finishing silicone earmolds and impressions.

Please consider maximum operating speed of 40,000 rpm!

#### 77200 | pear-shaped



#### 77201 | pointed and narrow



### 49600 | Square Stone

For shaping trimmers and rubber polishers.



### EF-Cutter

For working on silicone earmolds, e.g. made of egger flex (EF) silicone materials.

### EF-Cutter, ball-shaped

Please consider maximum operating speed of 40,000 rpm!

76000 | Ø 4.0 mm

76100 | Ø 5.0 mm

71400 | Ø 7.0 mm



### EF-Bur, round

Please consider maximum operating speed of 40,000 rpm!

71100 | Ø 1.0 mm

71200 | Ø 1.4 mm

75800 | Ø 1.8 mm

71300 | Ø 2.3 mm

72203 | Ø 3.1 mm



### EF-Cutter, cylindrical

Please consider maximum operating speed of 40,000 rpm!

71700 | Ø 5.0 mm

71800 | Ø 6.0 mm



*The following EF-cutters are especially suited for the shaping of grip handles or cerumen hollows or for use in the cymba area.*

#### EF-Cutter, oval

Please consider maximum operating speed of 40,000 rpm!

71500 | Ø 5.0 mm

73900 | Ø 6.0 mm

71600 | Ø 8.0 mm



#### EF-Cutter, pointed

Please consider maximum operating speed of 40,000 rpm!

76300 | Ø 4.0 mm

72000 | Ø 5.0 mm



#### Grinding Sleeve Holder and Grinding Sleeves

For shaping and finishing silicone earmolds.

Please consider maximum operating speed of 30,000 rpm!

49201 | Grinding Sleeve Holder large

49200 | Grinding Sleeve Holder small

49301 | Grinding Sleeves large (Ø 8 mm)

49300 | Grinding Sleeves small (Ø 6 mm)



#### Sand Paper Holder

Please consider maximum operating speed of 20,000 rpm!

73100 | short

73000 | conical



#### Corundum Paper

Orange, grinding, sharp-edged grit

Width: 15 mm, roll length: 50 m

40704 | 180 grit, coarse

40602 | 220 grit, fine



#### Abrasive Cloth

Brown, grinding, sharp-edged grit. Due to the grit size, the abrasive lasts longer.

Width: 15 mm, roll length: 50 m

40606 | 120 grit, coarse

40607 | 220 grit, fine

40605 | 320 grit, extra fine



**Polishing Disc, assembled** – for the hand piece Ø 20 mm, for repolishing.

Please consider maximum operating speed of 10,000 rpm!

74100 | leather

74000 | flannel

74101 | wool



**49700 | Polishing Paste P3, 60 g**

Dry polishing agent for mirror-polishing of acrylic earmolds. For the use with polishing disc.



**Rubber Polisher, gray**

For fine grinding of hard acrylics.

Please consider maximum operating speed of 10,000 rpm!

**49402 | Pointed, assembled**

**49401 | Cylinder, assembled**

**49500 | Disc, not assembled (for mandrel REF 73600)**



**73600 | Mandrel for Rubber Polisher (REF 49500)**

Please consider maximum operating speed of 30,000 rpm!



**74611 | Drill Stand with Fold-Away Lid**

Practical storage stand for up to 23 drills. Due to the fold-away lid this stand can be taken anywhere.



**74610 | Tool Stand**

Practical storage stand for up to 24 drills. Made of high-quality multiplex material (birch).

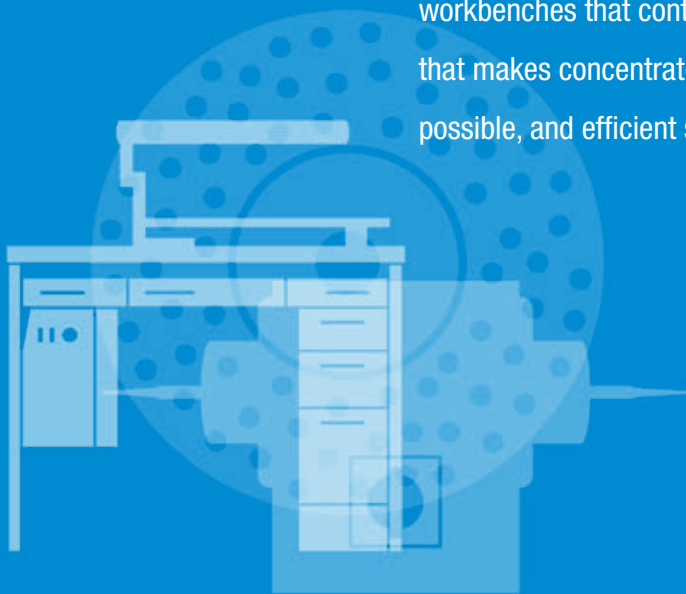


**74600 | Magnetic Rack**



# Laboratory Equipment and Furniture

High-performance devices for work operations in the laboratory. The machines are specialized in their tasks. Easy to maintain, available with all the necessary accessories. The protection products are designed to meet the special requirements and increase the workplace safety and protect your health. Thus they are an important element for sustainable success. For professionals, by professionals. Ergonomic furniture in modular units for the entire laboratory: Practical workbenches that contain everything you need, friendly lighting that makes concentrated and precise working over longer periods possible, and efficient suction systems for a clean atmosphere.



177 - 185 | Laboratory Equipment  
186 - 193 | Laboratory Furniture







### Perfecta 300

Technical unit with hand piece and control unit. Equipped with a powerful motor and a high maximum torque (5.5 Ncm). The brushless and maintenance-free engine runs extremely silent and reduces vibrations to a minimum. Suitable for all work areas and types of material. Reversible left-right rotation. The technical unit with a favorable cost-performance is available as foot-operated or bench-top model and on special request also as knee-controlled version!

### Foot-Operated Model

55242 | 230 V

Also available as a 115 V device.

#### Scope of delivery:

Control unit, motor hand piece and hand piece rest operating speed range:  
1,000–40,000 rpm, collet chuck Ø 2.35 mm

Optionally, the foot-operated model can be equipped with a separate control element.

### 55243 | Control Element for MF-Perfecta 300

All settings are made with this control element, e.g. activating the reverse operation mode. Functions and operating conditions such as the current speed are constantly in sight on the display. This saves space and improves safety and comfort.

### Bench-Top Device, including control element

55240 | 230 V

Also available as a 115 V device.

#### Scope of delivery:

Control unit, pedal, control element, hand piece and hand piece rest,  
wall holder for control element  
operating speed range: 1,000–40,000 rpm, collet chuck: Ø 2.35 mm

Max. torque: 5.5 Ncm

Hand piece length: 138 mm

Hand piece weight: 320 g



## Perfecta 600

Technical unit with hand piece and control unit. The Perfecta 600 is equipped with an integrated blowing out function. By pressing a button, the hand piece can be freed from excessive material particles (compressed-air supply required!). Equipped with a powerful motor and a high maximum torque (7.8 Ncm). The brushless and maintenance-free engine runs extremely silent and reduces vibrations to a minimum. Suitable for all work areas and types of material. Reversible left-right rotation. The technical unit is available as foot-operated or bench-top model and on special request also as knee-controlled version!

### Foot-Operated Model

55247 | 230 V

Also available as a 115 V device.

#### *Scope of delivery:*

Control unit, motor hand piece and hand piece rest; operating speed range of 1,000–50,000 rpm, collet chuck: Ø 2.35 mm

Optionally, the foot-operated model can be equipped with a separate control element.

### 55248 | Control Element for MF-Perfecta 600

All settings are made with this control element, e.g. activating the reverse operation mode. Functions and operating conditions such as the current speed are constantly in sight on the display. This saves space and improves safety and comfort.

### Bench-Top Device, including control element

55245 | 230 V

Also available as a 115 V device.

#### *Scope of delivery:*

Control unit, pedal, control element, hand piece and hand piece rest, wall holder for control element; operating speed range of 1,000–50,000 rpm, collet chuck: Ø 2.35 mm

*Max. torque:* 7.8 Ncm

*Hand piece length:* 138 mm

*Hand piece weight:* 350 g



... and they keep on turning



### **KaVo K5plus**

Light-weight and ergonomically shaped hand piece for a comfortable work experience without fatigue. The ball bearings and collet chuck can be exchanged easily, the front ball bearing is protected against dust.

### **Foot-Operated Model**

**55250 | 230 V**

**Also available as a 115 V device.**

On special request also available as knee-controlled version.

#### Scope of delivery:

Includes hand piece and hand piece rest.

Pre-selectable speed: 1,000–35,000 rpm (clockwise rotation),

collet chuck Ø 2.35 mm

Max. torque: 4.5 Ncm

Hand piece length: 149 mm

Hand piece weight: 216 g (cable 103 g)



#### Accessories for KaVo:

### **55238 | Cover for KaVo handpieces**

Protective cover is suitable for all K-hand pieces

### **55007 | Care set for K4/K5/K12/K9 – hand pieces with brush**

### **55600 | Mini Control Unit with Case, 230 V**

Mobile unit – ideal for home visits. Only suitable for refinishing operations.

**Also available as a 115 V device.**

Rpm range: 2,000–12,000 rpm

Weight: 1.8 kg



### **55061 | Technical unit FORTE 400 (foot operated)**

Suitable for the shaping of hard acrylic as well as soft silicone materials in small quantities with a good price-performance ratio. Brushfree, compact and very light-weighted and ergonomically shaped hand piece with micromotor for a comfortable work experience without fatigue. Simple handling with freely adjustable speed counter range of 1,000 – 50,000 rpm. Reversible right-left run. Operated by foot pedal or control unit. Including overload protection with automatic motor shutoff. The technical unit can be used for mains voltage of 230 V.

#### Scope of delivery:

Benchtop control unit with micro-motor hand piece, hand piece rest and foot pedal, collet chuck Ø 2.35 mm.

Speed range: 1,000–50,000 rpm

Hand piece length: 165 mm

Hand piece weight: 224 g

Max. torque: 7.8 Ncm



### 55606 | Battery Operated Technical Machine K38

Portable, very light technical machine for mobile use at an unbeatable price-performance ratio! With a maximum speed of 30,000 rpm, reversible right/left rotation and a powerful torque of 2.7 Ncm, the K38 is the ideal companion for home visits. Complete charging of the powerful lithium-ion polymer battery takes only 3 hours and enables up to 8 hours of work independent of mains power. Belt clip and handpiece holder are included. The device is equipped as standard with a practical foot switch (on/off) and overload protection.



#### Accessories:

556061 | Case for Battery Operated Technical Machine K38

55607 | Replacement Battery for Technical Machine K38

55608 | Shelf for Technical Machine K38 – rechargeable



### Polishing and Grinding

#### 60000 | Polishing Motor WSM2, 230 V

High-performance, durable motor, silent-running and maintenance-free machine, slip-resistant stand due to its considerable dead weight, 2 different speeds possible (1,500 und 3,000 rpm.). Delivery includes 2 spindles.

We will be pleased to also offer you a polishing box with integrated suction unit and lighting. Please ask us for an offer on our current model.



#### 60100 | SU Polishing Trough

Hard rubber tray for collecting polishing abrasives and abrasive dusts, incl. height-adjustable window of safety glass and connecting branch for suction.



#### Accessories:

60102 | Insert Tray

60103 | Adapter for suction hose



Accessories for polishing motor:

**Buffing Wheel**

Suitable for wet polishing with Steribim and dry polishing agents.

**48001** | with Plastic Center, Ø 100 mm

**48000** | with Leather Center, Ø 100 mm



**Buffing Wheel, flannel**

For high gloss polishing with polishing paste P3.

**48002** | with Plastic Center Ø 100 mm



**Abrasive Stone, red** – for polishing motor

For an efficient finishing of blanks. Abrasive stone holder necessary!

**77100** | Ø 85 mm

**Abrasive Stone Holder**

**60201** | left side

**60202** | right side



**681180 | Abrasive Wheel for Polishing Motor**

For the face grinding of shells for ITE hearing aids, including 2 spare grinding discs, 180 grit.

**Spare Grinding Discs for Abrasive Wheel, 2 pieces**

**68105** | 180 grit

**68155** | 120 grit

Polishing motor not included in delivery.



**68130 | Frontal Grinder**

Especially suitable for plane-grinding ITE shells for ITE hearing aids. Powerful motor and operation without vibration. Abrasive wheels are adhesive and can be removed effortlessly after use. Includes pipe nozzle for connecting the device to a suction hose for a dust-free work process. Includes 2 grinding wheels each of grit 150 and 240.

Spare parts:

**68131** | Abrasive wheels, grit 150, 5 pieces

**68132** | Abrasive wheels, grit 240, 5 pieces



## Wet Polishing Agent

Steribim – germicidal pumice paste, gives acrylic earmolds a silky shine.

**49000 | 1 kg** (2 x 500 g)

**49001 | 10 kg**



**49700 | Dry Polishing Agent, 60 g**

Polishing paste P3 – Dry polishing agent for mirror-polishing of acrylic earmolds.



## Products for Work Safety

### Eye protection

**74700 | Safety Goggles**

With a solid, lightweight nylon frame and temples for a good fit. The glasses remain mist-free, are chemical- and UV-resistant as well as antistatic.



**74900 | Safety Visor**

Band individually adjustable.

**74901 | Spare Visor**

For safety visor, 0.8 mm thick.



### Face mask

**Medical Disposable Face Mask Type IIR**, 50 pieces

**74830 | for Adults**

**74831 | for Children** (recommended from 6–12 years of age)

- Type IIR according to the standard: EN 14683:2019+AC:2019
- High filter efficiency, BFE  $\geq 98\%$
- Resistant to fluid and blood
- Soft, breathable and hypoallergenic
- Nose piece fully adjustable



**74820 | FFP2 NR Mask**, 5-layer, 50 pieces

Filtering FFP2 face/half mask

- Tested and CE certified according to the standard EN 149:2001+A1:2009
- Efficient 5-layer filter system
- The face mask provides for a good view due to the adjustable nose piece and a deep fitting
- Mask for single use
- Hygienic, individually packed



**74835 | Mask holder, flexible adjustable holder for protective masks**, black, 10 pieces

Provides relief and wearing comfort while wearing a face mask. No pressure from the mask elastic on the ears, hearing system or glasses. Flexible, yet stable.



### Skin protection

**Disposable Nitrile Gloves**, 100 pieces

Ideal for daily use in the shop or laboratory. Free of powder, length: approx. 245 mm. Compliant with EN 455.

**75004 | small**

**75005 | medium**

**75006 | large**



Please also note our cedis Profi line for occupational safety from the cedis care program. For the complete cedis Profi range, please see pages 74 - 79.

## Compressors and Accessories

### 64605 | Compressor Silent 30, 230 V

Small, portable compressor with compact piston-type motor, silent-running machine (approx. 30 dB), 30 l/min induction power, individually adjustable pressure up to 8 bar, motor performance 200 W, 4 l capacity, automatic operation with quick coupling system for connecting pneumatic equipment – sufficient for 1 compressed air user!

Weight: 20,5 kg

Dimensions: W 190 x D 410 x H 435 mm



### 646051 | AirPower Service Set – Compact Compressor “Silent 30”

includes spiral hose for compressed air and air pistol

Portable, high-performance, low-noise (30 dB) operating pneumatic compressor for innovative service in the acoustician shop. With the practical air pistol with conical, slim jet, deposits and moisture are easily removed from all sound tubes and sound canal bores/ventings.



### 64640 | Compressor Silver Line L-S50-15, 230 V

Runs with virtually no noise (approx. 45 dB), 50 l/min suction power, individually adjustable pressure up to 8 bar, motor performance: 340 W, capacity: 15 l, automatic operation, with quick coupling system for connecting pneumatic equipment.

Weight: 27.0 kg

Dimensions: W 400 x D 400 x H 490 mm



#### Accessories for compressors:

### 69930 | Air Pistol

Incl. a compressed-air hose, 170 cm, and a plug-on pipe for quick coupling.

### 64615 | Quick Coupling, with thread, 6 mm

### 64617 | Plug-On Pipe with thread, 6 mm

### 64618 | Compressed-Air Hose, 6 x 8 mm, 1 m

### 64610 | Elbow Joint, 6 x 8 mm

### 64612 | T-Joint, 6 x 8 mm

### 64621 | Filter Pressure Reducer 3/8"

with thread for 6 x 8 mm tube



More accessories available on request.

### Compressor Oil for Silent-Running Compressors

### 646362 | 0.5 l

### 64625 | 1 l



## Ultrasonic Cleaning Devices

### 86210 | Elmasonic S 10, 230 V

Practical, powerful ultrasonic cleaning device with a great cost-performance ratio. Ideal for sales counters or fitting rooms. Attractive design with easy-care stainless steel shell and electronic timer.

Also available as a 115 V device.

### 86211 | Elmasonic S 10/H, 230 V

Same model as Elmasonic S 10, with selectable heating element (ca. 60 °C / approx. 140 °F), continuous maximum power output per period 2 x 60 W.

Also available as a 115 V device.



#### Accessories for Elmasonic S 10:

### 86222 | Holder Basket, angular

### 86304 | Stainless Steel Insert for 2 glass beakers

### 86303 | Cleansing Glass Beaker with lid, 600 ml

### 86302 | Stainless Steel Dipping Basket for cleaning glass beaker



### 85208 | Glass Beakers for Ultrasonic Bath, 50 ml

The ideal supplement for a professional cleaning of earmolds!

10 pieces



## Other Models of Ultrasonic Devices

On request, we can also offer you larger ultrasonic devices (ideal for 3D print or rapid prototyping) with matching accessories. Please inform us about the requirements. We will then promptly send you a quotation for our current models.

### 86231 | Ultrasonic Cleaner Elmasonic S 30/H, 230 V

### 862316 | Ultrasonic Cleaner Elmasonic S 100/H, 230 V

Accessories for Elmasonic S 30 and S 100 (especially suitable for the cleaning process in digital manufacturing):

86512 | Cleansing Tray (acid-resistant), with Lid, for ultrasonic cleaner Elmasonic S 30

865121 | Cleansing Tray (acid-resistant) with Lid, for ultrasonic cleaner Elmasonic S 100



## Concentrates for Ultrasonic Cleaning Devices

For disinfecting earmolds quickly and safely we recommend:

### 86200 | Cleaning Agent "EC 10", 1 l

Universal cleaning concentrate for cleaning earmolds, instruments and tools; does not react aggressively and does not attack any materials (Be cautious with aluminum surfaces!).

Dosing: 1 part concentrate : 9 parts water





## Ventilettes

For bending sound tubes for an anatomically exact and individual fitting.

### Ventilette – Standard

Delivery includes beaker and spot heating nozzle. Temperature above nozzle: 300 °C (572 °F), in beaker 250 °C (482 °F).

**65200** | **230 V**, white

**65212** | **230 V**, silver-metallic

**65213** | **230 V**, black-metallic

**65214** | **230 V**, ruby-red

**In white, also available as a 115 V device.**

*Output:* 250 W

*Height with jar:* 225 mm

*Weight:* 1.6 kg

*Dimensions with base:* 100 x 150 mm

*Accessories for Ventilette Standard:*

**65201** | **Hot Air Nozzle**

**65203** | **Melting pot**



### **65300** | Ventilette – Electronic, 230 V, white

With electronically controlled temperature pre-selection unit, heat sensor and protective motor switch. Delivery includes beaker and spot heating nozzle, temperature above nozzle: 70 °C – max. 180 °C (158 – max. 365 °F), over beaker 55 °C – max. 155 °C (131 – max. 311 °F).

**Also available as a 115 V device.**

*Output:* 300 W

*Height with jar:* 225 mm

*Weight:* 1.7 kg

*Dimensions with base:* 100 x 150 mm



## Suction Units

Using a modern suction unit and optimizing suction systems can considerably reduce dust loading. We offer a variety of suction units so you can choose the best solution that is right for your needs. All our units fulfill the regulations of the IFA (Institute for Occupational Safety and Health of the German Social Accident Insurance) according to IEC 60335-2-69 dust class M.

Being able to breathe freely during grinding operations – this is essential for concentration and health. High-quality suction units provide clean air, remove unhealthy dust particles and reduce annoying odors.

### 62960 | Automatic Mobile Suction Unit Z1-M10 with handle, 230 V

Proven safety at the workplace does not need to be expensive! Singlebench suction unit for undertable installation and mobile use (freestanding with handle). Ideally suited for the shop or manufacturing of earmolds in small quantities. All suction units are equipped with a two-fold filter system. Coarse dirt is collected in a filter bag, the fine filter offers additional protection against smallest dust particles.

The compact unit provides:

- electronic suction performance
- automatic shut-off when filter is full
- automatic start/stop function according to the control unit
- controllable (5 steps) suction capacity of 20–40 l/sec
- a guaranteed maintenance-free running time of 1500 hours

Delivery with 180 cm suction hose. An active carbon filter can be retrofitted.

Weight: 19 kg

Dimensions: W 300 x D 435 x H 440 mm

Power: 2000 W

Sound Level: 45–59 dB(A)



The flexibles

with handle



- The double-filter system protects your health and prevents the suction motor from clogging up.
- The integrated automatism keeps the suction power at a constant level, regardless of the filter contamination level.
- Large filters and a quick filter exchange system ensure an economically advantageous use.
- Extremely quiet operation.

### 62961 | Automatic Mobile Suction Unit Z1-M11 with assembling plate, 230 V

Mobile suction unit with mounting plate for under-table installation on the left side (door for filter change opens to the right).

The compact unit provides:

- electronic suction performance
- automatic shut-off when filter is full
- automatic start/stop function according to the control unit
- controllable (5 steps) suction capacity of 20–40 l/sec
- a guaranteed maintenance-free running time of 1500 hours

Delivery with 180 cm suction hose. An active carbon filter can be retrofitted.

Weight: 19 kg

Dimensions: W 300 x D 435 x H 410 mm

Power: 2000 W

Sound Level: 45–59 dB(A)

for installation under table



- 62904 | Active Carbon Filter**  
**62909 | Refill Pack** active carbon



- 62802 | Spare Filter**, 3 pieces



- 62504 | Pair of Spare Coals for Mobile Suction Unit**  
 up to serial no. xx-7485-00  
 for suction unit A40 up to serial no. xx-1716-00



- 62512 | Pair of Spare Coals for Mobile Suction Unit**  
 from serial no. xx-7486-00  
 for suction unit A40 from serial no. xx-1717-00



- 62720 | Suction Funnel R1200**

Incl. extendable rectangular pipe. The plug-in suction funnel R1200 is used together with the extendable rectangular pipe. The special construction guarantees an efficient suction performance while at the same time reducing noise to a minimum. The suction funnel is equipped with an extra large safety shield (H 250 x W 200 mm). The rectangular pipe can be mounted easily under the work bench (W 80 x H 30 mm, extendable length 430–540 mm).

Accessories:

- 62723 | Spare Protection Glass Shield** for suction funnel R1200



#### 62718 | Suction Funnel SH-1 mobile

Can be used on every work bench without the need for permanent installation. The heavy base with a skid-proof, rubberized bottom can be used on the bench in every position. Protection shield (140 x 140 mm) included. Coupling to the suction system with the suction hose.

##### Accessories:

62719 | **Spare Protection Glass Shield** for suction funnel SH-1 mobile



#### 62733 | L Protect – protective glass with LED lighting

for shaping and for service work stations

L Protect offers the ideal combination of anti-glare lighting at the workplace with maximum safety. This offers the following persuasive strong points:

- bright illumination free of shade (brighter than two 60 W bulbs)
- long-life and energy-saving LED illuminants
- protective glass made out of ESG safety glass protects against dust and shavings
- compatible with almost all current suction devices (delivery includes adapter)
- simple separation of LED frame and protective glass, of necessary; no tools needed
- optional: table tripod for independent mobile use (e.g. for customer visits)

Scope of delivery: protective glass, illumination frame with LED lamps, clip, power supply and adapter plate for various suction hoods

Dimensions: H 240 x W 190 mm

Voltage: 100–240 V

##### Accessories:

627331 | **Spare Protective Glass** for L Protect

62734 | **Table Tripod** for L Protect



**62725 | Sound Damper, round,** for installation in the suction hose  
Suitable for all current egger suction funnels, e.g. R1200, A90, SH-1 mobile and ADC mobile. Noise reduction up to 18 dB is possible. The sound damper should be installed directly before coupling to the suction funnel or the rectangular pipe (if included).



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**62724 | Sound Damper for Suction Funnel R1200**

The suction noise at the suction funnel can be damped up to 15 dB (similar to the former A90 system). The sound damper only has to be inserted into the rectangular pipe at the coupling of the suction funnel R1200.



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**69649 | Workbench Pad**

for F20, semi-round, transparent, 80 x 46 cm

Workbench is not included.



**69670 | Ergonomic Forearm Rests for CAD Working Places**

Once tested you will never want to work without them again – the easy to use arm rests available from egger for modeling works (operation with 3D/PC mouse). With their ergonomic design and placement on the table edge, the rests help to reduce the tendency of hands falling asleep or the formation of pressure points on the forearms. In addition, they assist in keeping a healthy posture and prevent tensions in the neck and back area. The high-quality, black silver-ion fabric cover is anti-bacterial, odor-resistant and anti-static. To clean simply wipe it with a moist cloth. Optional: slide stoppers can be attached on the smooth bottom of the armrest.



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**62902 | Suction Hose, Ø 40 mm, 1 meter**

**62903 | Y-Connection for Suction Hose**



## Workstation Lighting

Working on earmolds demands precision and concentration. Good light is indispensable at every hour of the day. The F1 90/55 single-user lighting brings light to the spot that requires your attention.

- The especially designed reflector illuminates the workstation without dazzling.
- The energy-saving lamp provides jitter- and streak-free daylight
- The metal frame protects against reflexes and bundles the light
- Height-adjustable tripod
- Electronic components guarantee a long life expectancy and high economic efficiency

Please also note our cedis Profi line for occupational safety from the cedis care program. For the complete cedis Profi range, please see pages 74 - 79.



with double socket



Easy mounting

**69607 | Workstation Lighting F1 90/55, 230 V, Tripod on the left-hand side, white**

Height-adjustable and swiveling single-user lighting with energy-saving light tube and integrated double outlet. Easy mounting on all workbenches. Also available in black. Light color daylight 12, 1400–6500 Lux (measured at a height of 750–300 mm).

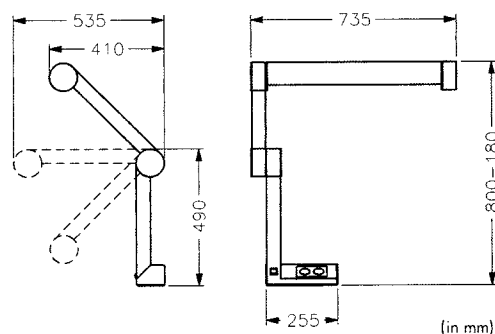
**696072 | Working place lighting F1 90/LED, Tripod on the left-hand side, white, with 36 LEDs (47 W)**

Color temperature neutral white 5000 Kelvin, illumination performance 2000–10000 lux, dimmable.

**696071 | Working place lighting F1 90/LED, Tripod on the left-hand side, silver, with 36 LEDs (47 W)**

Color temperature neutral white 5000 Kelvin, illumination performance 2000–10000 lux, dimmable.

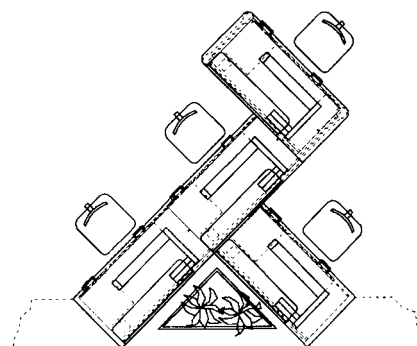
**Also available as a 115 V device.**



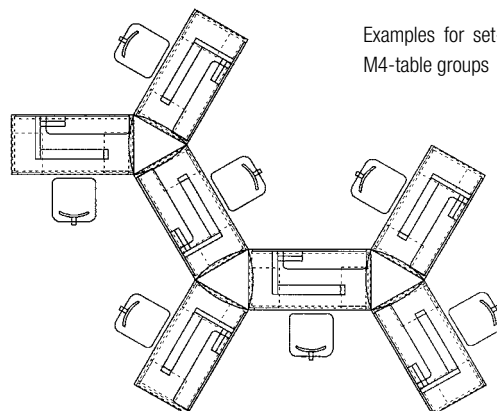
## Technical Workbenches

Having everything at one's fingertips – at the well thought-out workbench. This is only possible with a free bench top, practical tool drawers with well structured plastic inserts, a central waste tray and integrated compressed-air supply and electric installations.

- High-quality materials guarantee high durability.
- Benches can be combined to form uniform workgroups.
- Available space can be used optimally due to various combination possibilities.
- All workbenches can easily be reconfigured to fit the needs of the operation.
- A multitude of shapes and colors makes it easy to create an individual and attractive workstation.



Examples for set-up of  
M4-table groups



### Planning examples:

Group of technical workbenches with three work stations, equipped with lighting F1 90/55, table-top shelf, arm rests and single-bench suction system including suction funnel.

## Technical Workbenches

With our technical workbenches we offer you superior design and proven work station solutions for the daily practice in every laboratory or service work station in the shop.

Our technical workbenches are equipped by default with

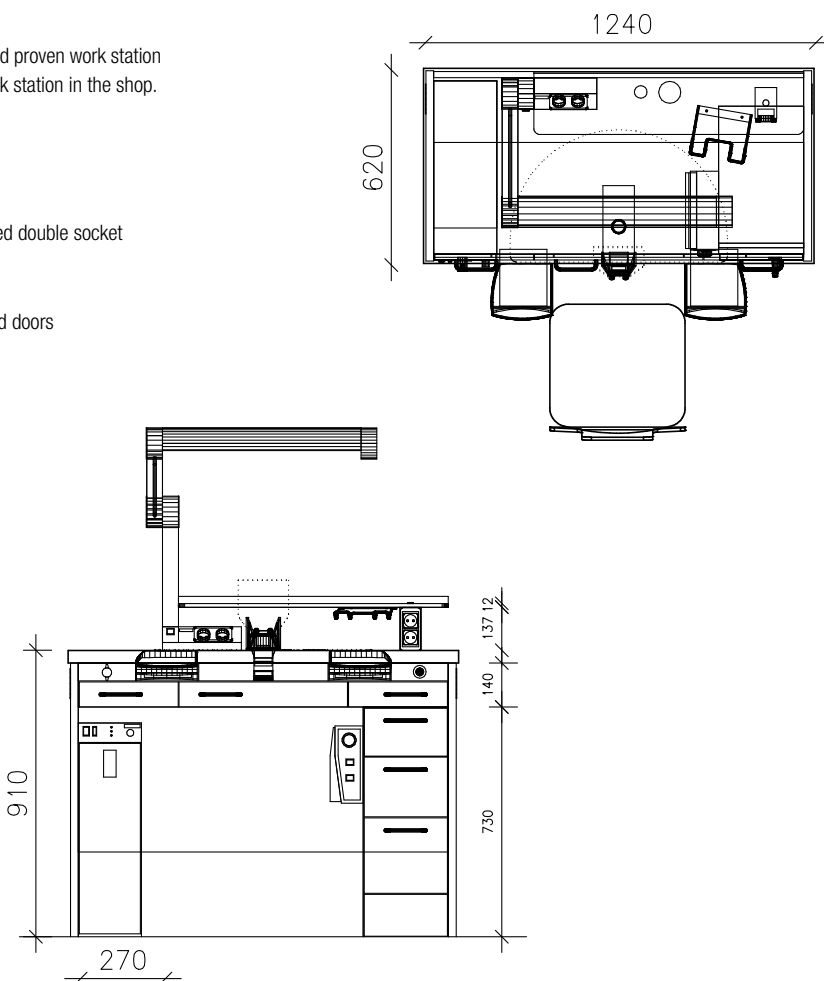
- suction unit (automatic) with suction funnel
- height adjustable and swivelling lighting (white) with integrated double socket
- table-top shelf with hand piece rest
- tool cabinet with 3 drawers and base
- exclusive softTEC system for noiseless closing of drawers and doors
- 1 air pistol with automatic pull-back function
- armrests extendable (1 set)
- compressed-air supply
- back board
- transparent desk pad

### Colors:

Front, corpus and base: Edelweiss U11209ML

Handholds: aluminum handle bar

Panel under workbench surface: black





Our standard program offers two models:

#### 696574 | Technical Workbench M4/4 – Standard

- work plate made of robust plastic in design “Edelweiss” U11209 MP
- tool cabinet with 3 drawers
- air pistol with automatic pull-back function
- waste drawer with plastic insert
- extendable armrests
- single-bench suction system Z1 ECO
- suction funnel A90 with safety screen
- LED workplace lighting F1-90/LED
- working board made of solid core wood “Edelweiss” U11209 MP
- hand piece rest
- transparent desk pad



picture similar

#### 696564 | Technical Workbench M4/4 – Premium

- work plate made of high-quality beech wood sticks
- tool cabinet with 3 drawers
- air pistol with automatic pull-back function
- waste drawer with plastic insert
- extendable armrests
- single-bench suction system Z1 ECO
- suction funnel A90 with safety screen
- LED workplace lighting F1-90/LED
- working board made of beech wood sticks
- hand piece rest
- transparent desk pad



picture similar

We offer delivering the bench completely assembled or for self-assembly. Of course we can also offer you an individual solution according to your needs, available in a wide range of colors, forms and equipment features.

# Presentation / Promotion Assistance

Earmolds have to be small, nearly invisible. Except in your shop! Draw attention to the inconspicuous – with charm and elegance. Present your products in a classy and sophisticated way. Original, cheeky or classic – we have the right design for every atmosphere. You would prefer a different color? No problem, we also offer custom-made solutions. Our tip: Presentation products make an original present for your business partners.



### egger Presentation Displays with “Floating Effect”

Upon first glance it appears as if the decoration were floating inside the frame. Only upon closer look will the two transparent silicone membranes become visible – stretched between the frame structure, which is hinged so it can be folded open. With the unique all-around visibility, these displays cleverly draw attention to e.g. earmolds or hearing systems. Creativity and choice of decoration is limited only by frame size.

#### 83880 | Presentation Display S

Inner dimensions: 70 x 70 x 25 mm

#### 83881 | Presentation Display M

Inner dimensions: 265 x 60 x 25 mm

#### 83882 | Presentation Display L

Inner dimensions: 230 x 180 x 25 mm

Decoration not included.



### Presentation Heads Max and Telly

A smart possibility of presenting up-to-date hearing and hearing protection systems in the acoustician shop or during fairs. Max and Telly let you appeal to different target groups. The head can be equipped with an egger deco ear (not included). The deco ears are available in various colors.

The heads are available in other colors with a minimum order quantity of 50 pieces.

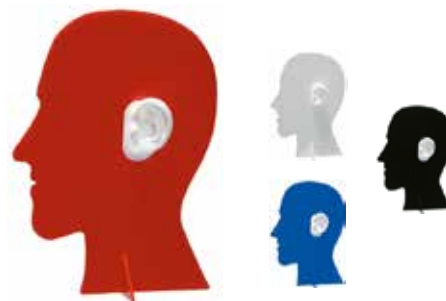
#### Presentation Head Max

- 87160 | ○ white
- 87161 | ● black
- 87162 | ● red
- 87163 | ● blue



#### Presentation Head Telly

- 87164 | ○ white
- 87165 | ● black
- 87166 | ● red
- 87167 | ● blue



Please order deco ears separately.

Deco Column

The multi-purpose solution that offers numerous and flexible possibilities! The deco columns are provided with a white egger deco ear (earmold not included) and are available in three different sizes and many different colors. On demand, special color requests (in the usual RAL-colors) are possible with a minimum order quantity of 50 pieces.

You can order the columns with your choice of a left or a right ear.

Dimensions of the columns:

|        |   |         |
|--------|---|---------|
| small  | H | 9.4 cm  |
| medium | H | 11.4 cm |
| large  | H | 16.4 cm |

Color\*

|                    |        | with left ear | with right ear |
|--------------------|--------|---------------|----------------|
| ○ white (RAL 9010) | small  | 87700-L       | 87700-R        |
|                    | medium | 87701-L       | 87701-R        |
|                    | large  | 87702-L       | 87702-R        |
| ● black (RAL 9005) | small  | 87717-L       | 87717-R        |
|                    | medium | 87718-L       | 87718-R        |
|                    | large  | 87719-L       | 87719-R        |
| ● red (RAL 3002)   | small  | 87782-L       | 87782-R        |
|                    | medium | 87783-L       | 87783-R        |
|                    | large  | 87784-L       | 87784-R        |
| ● blue (RAL 5003)  | small  | 87785-L       | 87785-R        |
|                    | medium | 87786-L       | 87786-R        |
|                    | large  | 87787-L       | 87787-R        |
| ● granite          | small  | 87738-L       | 87738-R        |
|                    | medium | 87739-L       | 87739-R        |
|                    | large  | 87740-L       | 87740-R        |
| ● aluminum-silver  | small  | 87880-L       | 87880-R        |
|                    | medium | 87881-L       | 87881-R        |
|                    | large  | 87882-L       | 87882-R        |

\* Information on RAL-colors is not binding.



## Deco Column in Metallic Design

Light reflection draws an interesting play of colors. Delivery includes white deco ear.

| <u>Color</u>      |        | with left ear | with right ear |
|-------------------|--------|---------------|----------------|
| ● silver-metallic | small  | 87170-L       | 87170-R        |
|                   | medium | 87171-L       | 87171-R        |
|                   | large  | 87172-L       | 87172-R        |
| ● mango-metallic  | small  | 87173-L       | 87173-R        |
|                   | medium | 87174-L       | 87174-R        |
|                   | large  | 87175-L       | 87175-R        |



## Deco Display Colorline

With Colorline you can add even more color to the presentation of hearing systems. Choose from the standard colors red, black or white. The displays are also available in many other colors with a minimum order quantity of 50 pieces. Colorline is made of plastic and is available in two sizes to be able to hold either one or two ears. You have special requests? – We can also offer individualized solutions.

### Dimensions:

W 18 x H 15 cm

|         | for 1 deco ear | for 2 deco ears |
|---------|----------------|-----------------|
| ● black | 88300          | 88301           |
| ○ white | 88302          | 88303           |
| ● red   | 88304          | 88305           |



Please order deco ears separately.



## egger Deco Ears

They can be used with the egger deco columns, deco displays and the presentation heads Max and Telly. The left and right ears are available in different colors. Special color requests (in the usual RAL-colors) are possible with a minimum order quantity of 50 pieces.

| <u>Color*</u>           | left  | right |
|-------------------------|-------|-------|
| ○ white (RAL 9003)      | 27902 | 27903 |
| ● beige (RAL 8023)      | 27904 | 27905 |
| ● gray (RAL 7036)       | 27911 | 27912 |
| ● light-blue (RAL 5015) | 27914 | 27915 |
| ● ruby-red (RAL 3003)   | 27920 | 27921 |
| ● dark-blue (RAL 5002)  | 27918 | 27919 |

\* Information on RAL-colors is not binding.



## Magnetic Glass Board

A multi-functional item among the presentation products with several possible uses! Experience unlimited creativity and flexibility in your product presentation set-up. Whether you want to simply attach an egger Magic Ear to present a new hearing system or make the cedis care products the center of attention: You can position many products rapidly and easily by using magnets. In addition, you can label the magnetic glass board with dry-erase markers. Our magnetic glass boards combine simple design with color effects and light effects due to reflecting glass. They are available in trendy and timeless colors. You can mount the magnetic boards horizontally or vertically to the wall or set them up vertically anywhere you like (e.g. in a display window).

### Delivery includes:

Mounting set for wall  
5 magnets



A multi-functional product presenter

### Color/size (W x H)

|                     | 50 x 30 cm   | 80 x 12 cm   |
|---------------------|--------------|--------------|
| ● <b>anthracite</b> |              | <b>83865</b> |
| ○ <b>white</b>      | <b>83854</b> | <b>83855</b> |
| ● <b>black</b>      | <b>83856</b> | <b>83857</b> |

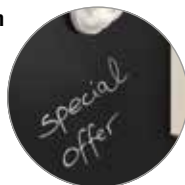
### Accessories:

**83859 | Set with 5 Magnets**

## Dry-Erase Markers

They always provide the right color for a colorful labeling of the egger magnetic glass board. Dry-erase markers can be wiped off without water.

|         |                   |
|---------|-------------------|
| ● 83860 | <b>neon-blue</b>  |
| ● 83861 | <b>neon-green</b> |
| ● 83862 | <b>black</b>      |
| ○ 83863 | <b>white</b>      |



Please order Magic Ears separately.

## Magic Ear Deco Display

We can also offer you a matching metal decoration display for your Magic Ears, which is available in the standard colors silver, blue and black or in every standard RAL-color with a purchase quantity of 50 pieces per size.

### Sizes:

|        |                      |
|--------|----------------------|
| small  | W 8 x D 8 x H 15 cm  |
| medium | W 20 x D 8 x H 15 cm |
| large  | W 8 x D 8 x H 30 cm  |

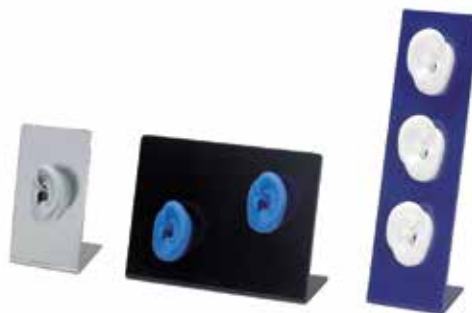


Please order Magic Ears separately.

### Color\*

|                          | small | medium | large |
|--------------------------|-------|--------|-------|
| silver-metallic, brushed | 87960 | 87961  | 87962 |
| blue (RAL 5022)          | 87963 | 87964  | 87965 |
| black (RAL 9005)         | 87966 | 87967  | 87968 |

\* Information on RAL-colors is not binding.



## Deco Display "Timeless"

The deco display "Timeless" consists of acrylic glass; the column is made of anodized aluminum.

### Size column 10 x 10 cm

|       |        |         |
|-------|--------|---------|
| 87870 | small  | H 10 cm |
| 87871 | medium | H 20 cm |
| 87872 | large  | H 30 cm |



Please order Magic Ears separately.



## Magic Ears

The Magic Ears stick to all magnetic surfaces, e.g. the Magic Ear displays or Timeless deco displays or the egger magnetic glass board. Left and right ears are available in different colors. Special color requests (in the usual RAL-colors) are possible with a minimum order quantity of 50 pieces.

### Color\*

|                       | left  | right |
|-----------------------|-------|-------|
| white (RAL 9003)      | 27950 | 27951 |
| beige (RAL 8023)      | 27956 | 27957 |
| gray (RAL 7036)       | 27954 | 27955 |
| light-blue (RAL 5015) | 27962 | 27963 |
| ruby-red (RAL 3003)   | 27982 | 27983 |
| dark-blue (RAL 5002)  | 27964 | 27965 |

\* Information on RAL-colors is not binding.



**87944 | Presentation Case “Maxi”** with 20 compartments

High-quality aluminum presentation case with foam material inlay. Due to the clear presentation of earmolds and hearing systems, it is ideally suited for sales talk in the acoustician shop, during home visits or fairs.

Dimensions:

approx. W 34 x D 25 x H 4 cm

Dimensions of the compartments:

approx. W 5 x D 5 x H 1.5 cm

Decoration not included.



Professional presentation

**89845 | Presentation Case “Mini”** with 12 compartments

Handy and practical presentation case with 12 compartments for a clear presentation of earmolds and hearing systems. It is universally usable for sales talk in the acoustician shop, during home visits or fairs. Pictured contents are not included.

Dimensions:

approx. W 21 x D 15 x H 2 cm

Dimensions of the compartments:

approx. W 4 x D 3.5 x H 1.8 cm

Decoration not included.



**87890 | Presentation Tray, black**

High-quality hearing systems deserve a professional presentation during a sales talk. The surface is made of synthetic leather.

Dimensions:

W 27 x D 17 cm

Decoration not included.





### 87986 | Bulk Bin / Sales Counter Display

Ideal for placing give-aways on the sales counter. Stylish sales counter display in glass-clear and high-gloss design. Individual labeling with signs or labels on request. The display is delivered in two pieces that can be mounted in no time.

Contents not included in delivery.

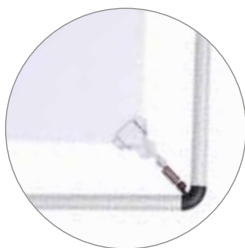


### 83890 | Poster Clamp Frame

The matching frame for a nice poster. The offered poster clamp frames are ideal for presenting posters hanging in a display window, on the wall or from the ceiling in the sales area. The frame, with its aluminum design, is easily mounted. Posters are quickly exchanged. They are held in place by a clamp mechanism. Suitable for DIN A1 posters (841 x 594 mm).

Outer dimensions of the frame:

H 922 x W 675 mm



### 83891 | Poster Clamp Strip

Ideal when there is no time! The simple and stylish solution for attaching and hanging up posters up to 600 mm wide. Poster clamp strips are especially suitable for advertising presentations during fairs and in office and sales areas. The poster clamp strip is attached easily and rapidly to the wall or the ceiling. All that is needed is a nail and a piece of nylon string.

One packaging unit consists of 2 poster clamp strips made of aluminum.

Total width of the clamp strip:

610 mm



# Info & Services

Fast, easy, reliable – our service is all about your order. Details about the delivery of the ordered goods to your warehouse are listed on the following pages.



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| 208 - 209 | Index A–Z  |



## Order

Fast – easy – reliable.

The egger delivery service.

You order.

We deliver.

In time.

To the desired address.

“egger Labortechnik – How can I help you?”

You decide how you want to place your order.

The complete laboratory technique program including care products.

5 ways – 1 solution



Phone international: +49 831 5811360

Phone Hearing Protection: +49 831 5811390

Phone Earmold Production: +49 831 5811340

Monday to Friday 7:30 a.m. – 6:00 p.m.



Fax international: +49 831 5811314

Fax Earmold Production: +49 831 5811349



E-Mail international: sales@egger.online

E-Mail Earmold Production: otoplastik@egger.online



egger Otoplastik + Labortechnik GmbH

Aybühlweg 59

87439 Kempten/Germany



Online-Shop

www.egger.online



## Internet

“Online shopping?”

### www.egger.online

- The extensive internet information platform.
- **With integrated shopping system, password protected for you as our customer.**
- According to your preferred conditions you can select and order all catalog products.
- **Technical descriptions of devices, safety data sheets and operating instructions can be downloaded as PDF-files.**
- You are always informed about the latest news at egger.



## Payment

“The bill, please!”

### Export sales:

- via bank transfer within 30 days net from invoice date
- initial order is usually delivered against advance payment.

For General Terms and Conditions please see page 207.



## Delivery

You are in a hurry?

We deliver according to your preferences.

### Ordered today – delivered tomorrow

Orders made by 3 p.m. on workdays are usually dispatched on the same day (if the products are in stock, valid for deliveries within the EU).

### Unlimited order quantities

We deliver without stipulating a minimum order quantity or mark up for small-volume purchases for standard products.

### Express delivery

Please contact us in very urgent cases.

### Free delivery

If your order exceeds a net value of 500 EUR we deliver without packaging and freight charges free German boarder. Profit from the favorable agreements we have made with our shipping contractors.

### Right of return

egger grants an unrestricted right of return within 20 days on all catalog products for laboratory equipment in accordance with the General Terms and Conditions. If some of our products do not meet your expectations, just call our customer service hotline. We will immediately exchange them or take them back against a credit note.

### Rental service

Is one of your appliances being repaired? We will lend you a replacement appliance. For detailed information please call your customer adviser.



## Information on the Transportation of Dangerous Goods

Under the legal regulations (GGVS/ADR, IMDG and IATA-DGR) some of our products have to be shipped as dangerous goods. These products (even in small quantities) cannot be forwarded by regular mail. Private parcel services are sometimes allowed to forward small quantities within Germany and Europe. Therefore, we usually send the goods via a haulier. The IATA-DGR regulations apply to air freight consignments. Dangerous goods have to be packed in special cardboard boxes. We will be happy to inform you about individual regulations, freight costs and the shipping method most favorable for you.

Not all product illustrations are displayed in the product's original size.  
Modifications reserved. Subject to change without notice.

## Courses for Technicians

The courses offer an introduction to different earmold manufacturing techniques for earmold producers from all continents. Qualified egger employees help the technicians decide which equipment should be used. The participants receive basic knowledge in the production as well as the complete know-how in handling new devices and materials. The goal of the course is to enable the participants to independently and professionally produce earmolds.

## Seminars

Where is the development of laboratory technique headed? How does the new EU Regulation 2016/425 (PPE) influence my work as an hearing aid expert? What is the broadened care program able to offer me and my customers?

egger addresses current questions from the sectors otoplastics and laboratory technique and offers additional training courses. These courses last one or several days and are held in spacious seminar rooms next to our laboratories with the newest technical equipment. In discussions with our own and other expert speakers, the participants learn how to react appropriately to the challenges of the future.

Get to know something new, in a pleasant atmosphere in the attractive region of the Allgaeu, Bavaria.

## Seminars / Training “Digital Earmold Production”

“Digital earmold production” as a complete process or only parts of it are currently on everyone’s lips. For your entry into the world of 3D earmolds, a colourful mix of topics awaits you, including valuable basic knowledge and practical experience.

- Step by step – from the ear impression scan to the biocompatible earmold
- The right solution for every need – an overview:  
3D scanners, 3D modelling software, 3D printers, 3D materials, accessories, equipment



## How to Find Us

### By car:

Coming from **Munich** head to freeway A 96 towards "Lindau". Leave the freeway A 96 at exit no. 22 towards "Jengen/Kaufbeuren". Stay on the B 12 until you reach Kempten and keep going on straight until you reach the turn-off to "Buchenberg". Now, turn right into "Lindauer Straße". At the second traffic light turn right into "Aybühlweg". You will find us on your left after approx. 100 m.

Coming from **Stuttgart/Ulm** or Füssen on freeway take the exit "Kempten". Get on "Adenauerring". Stay on the "Adenauerring" for approx. 5 km until you reach the turn-off to "Buchenberg". Now, turn right into "Lindauer Straße". At the second traffic light turn right into "Aybühlweg". You will find us on your left after approx. 100 m.

Coming from **Zurich/Lindau** on highway B 12 head towards "Buchenberg" in Großholzleute and go to Kempten. After the suburb "Rothkreuz" turn left into "Aybühlweg" at the first traffic light. You will find us on your left after approx. 100 m.

### By rail:

You arrive at Kempten central station. From there, take a taxi. Of course, we will always be pleased to pick you up from the station!

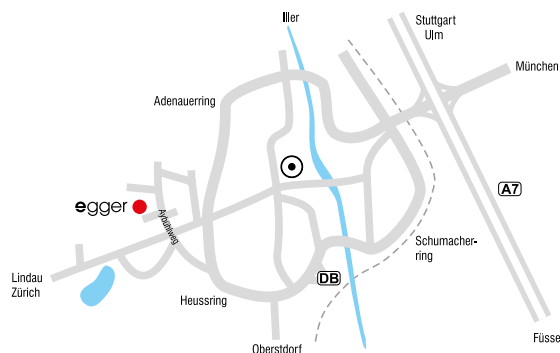
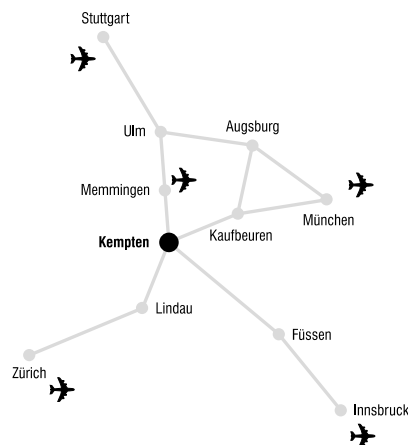
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Aybühlweg 59  
87439 Kempten/Germany

Phone international: +49 831 5811360

Fax international: +49 831 5811314

E-Mail international: [sales@egger.online](mailto:sales@egger.online)

[www.egger.online](http://www.egger.online)



# General Standard Terms and Conditions

## Article 1 General Provisions

1. The Seller's deliveries, services and quotations shall be exclusively executed or rendered on the basis of these General Standard Terms and Conditions. They thus also apply to all future business relations even if they are not expressly agreed upon again.
2. Any deviations from these General Standard Terms and Conditions shall only be permissible in exceptional cases through express written acceptance by the Seller.

## Article 2 Products

1. The Seller reserves the right to make technical changes to his products at all times without previous notification, insofar as the properties of the product are not basically modified or compatibility with other products in the production procedure concerned is not impaired.
2. The Seller reserves the right to discontinue the production and delivery of any individual products or replace such products with new products.

## Article 3 Delivery

1. Should the production or delivery of any products ordered be impossible due to force majeure, a lack of deliveries to ourselves, labour disputes, engineering breakdown or similar obstructions, the Seller's delivery commitments shall be suspended and the Seller shall be entitled to cancel such commitments in whole or in part.
2. The Seller shall grant the Purchaser the right to cancel the purchase contract if the date of delivery agreed upon is exceeded by a period of more than eight weeks. Any claims for damages for nonperformance shall be excluded. Extended liability pursuant to Section 287 of the BGB [German Civil Code] shall be excluded.
3. If any number of units which has been ordered in a firm manner by the Purchaser is not accepted to its full extent, the Seller shall be entitled to impose a mark-up for small-volume purchases.
4. As regards orders for items made to order, any cancellation by the Purchaser shall be excluded in principle. The Purchaser is liable to accept and to pay the goods.
5. The Seller shall be entitled to terminate the contract without notice if the Purchaser is in default with the payment of any earlier deliveries.
6. egger grants an unlimited right of return for 20 days – from the date of dispatch to the receipt of the goods – on all catalogue products for laboratory equipment. The right of return is granted under the condition that the articles returned are packed in the original packing, unused and do not show any signs of use. The right of return is excluded in the case of such articles, for which – also minor – price reductions, except cash discounts, have been granted. The right of return is also excluded for earmolds and articles which are not included in this catalogue, in particular for the products mentioned under § 3, point 4, as well as the following products: 3D scanner, 3D printer, CAD/CAM-Software, Thermal oven, Otoflassh.
7. The sale, marketing and distribution of products which are subject to the Medical Devices Act, or to other export and import legislation in a country other than the country of destination, shall be prohibited without the prior written consent of the company egger.

## Article 4 Prices, Terms of Payment

1. The prices indicated in the price list are ex place of shipment, excluding packaging, freight, insurance, customs duties and value added tax. From a net value of EUR 500.00 (with an individual invoice) delivery is effected without freight and packing costs free house or free German border for export deliveries.

2. The prices indicated in the current price list as effective for the time being shall be relevant to invoicing. Upon the publication of a new price list, all previous price lists shall become ineffective as of the effective date (status of new price list).

3. Any special costs in connection with payment, particularly bank charges and expenses, loss on exchange and the cost of transfer for payments in export, shall be borne by the Purchaser.

4. Unless indicated otherwise, any invoices shall be due for payment: Export sales: Within 30 days from invoice date net without any discount. For first order, delivery is made against advance payment.

5. Default in payment starts without further reminder on the day following the due date. Should the Purchaser be in arrears with any payment at any point in time agreed upon at the time of the purchase, all obligations to pay which the Purchaser may have vis-à-vis the Seller shall become due.

6. It is only permissible to retain or offset any payments with counterclaims of the Purchaser if undisputed and legally enforceable claims are involved.

## Article 5 Shipment and Passage of Risk

1. Shipment shall be effected for the Purchaser's own account and at the Purchaser's risk.
2. The risk of loss is transferred to the Purchaser as soon as the Seller has initiated dispatch.
3. Any additional expense for a faster mode of shipment shall be at the Purchaser's expense, even if the period of delivery is exceeded by a short time.
4. In the absence of any instructions by the Purchaser, packaging and shipment shall be effected at the best discretion; no packaging can be taken back.
5. The "Incoterms" as amended for the time being shall apply to the interpretation of international trade terms such as CIP, DAP etc.
6. The Seller shall be entitled, but not required, to insure deliveries in the name and for the account of the Purchaser.

## Article 6 Warranty and Liability

1. If the delivery item is defective or if it fails to show any warranted qualities or if it becomes defective during the warranty period due to any defect in manufacturing or materials, the Seller, at its discretion, shall supply a substitute or perform rework, with the exclusion of any other warranty claims by the Purchaser, in particular, with the exclusion of any consequential damage incurred by the Purchaser. A maximum of three rework actions shall be permissible. Liability shall only be assumed to the amount of compensation effected. The return shipment of defective products shall require the Seller's consent, otherwise the Purchaser shall bear the cost of return shipment. Defective products shall only be taken back in the condition delivered.

2. The details provided by such manufacturers shall apply to all products of third-party manufacturers which are delivered.

3. The warranty period is subject to legal requirements.

4. All parts exposed to normal consumption or wear and tear shall be excluded from warranty. This shall also apply to any damage incurred due to overload or improper handling.

5. Any notices of defects due to the number of units, quality or execution of products shall only be legally effective if the Seller is notified of such defects in writing immediately following the receipt of the products. Notices of defects shall be excluded in principle after a period of 8 days following the receipt of the products. Any shortages shall be compensated for through subsequent delivery or a credit note.

## Article 7 Reservation of Title

1. The products delivered shall remain the Seller's property, as conditional commodity, until the payment of the purchase price and the payment of all debts existing from the business relations (and any debts incurred in connection with the object sold). The transfer of individual debt items to an open account or the striking and confirmation of a balance shall not cancel the said reservation of title.

2. The Purchaser shall only be entitled and authorised to resell the said conditional commodity in the normal proper course of business and provided that any debts as defined in paragraph 3 shall be actually transferred to the Seller. The Seller shall not be entitled to effect any other dispositions with respect to the conditional commodity, particularly pledging or transfer of property by way of security.

3. If any conditional commodity is sold by the Purchaser alone or in conjunction with any commodity not owned by the Seller, the Purchaser shall now assign any debts arising from such resale to the amount of the value of the conditional commodity, including all secondary rights and rank before the rest; the Purchaser shall accept such assignment.

4. The Seller shall authorise the Purchaser, subject to revocation, to collect the debt assigned pursuant to paragraph 3. At the Seller's request, the Purchaser shall name the debtor(s) with respect to the debt(s) assigned and shall also notify such debtor(s) of the assignment itself.

5. The right to resell and utilise and the authorisation to collect the debt assigned shall expire upon stoppage of payments, an application for commencement or actual commencement of bankruptcy proceedings, any judicial composition proceedings or voluntary settlement; the direct debit authorisation shall also expire in the event of any protest of a cheque or bill.

## Article 8 Devices on Loan

1. Devices on loan can be provided, depending on availability, for free (e.g. in the case of repairs) for a certain period to be agreed upon. The device on loan must be returned in the original package. The customer assumes the costs and risk of transportation. The customer is responsible for the correct use of the device on loan. The customer is not entitled to hand the device on loan over to third parties outside his company. Any damage caused by the customer to the device on loan are invoiced to the customer.

## Article 9 Conclusion of the Contract

1. Any offers contained in brochures, advertisements etc. shall be subject to change without notice and non-binding – also with respect to any prices stated.
2. Additional agreements, changes or supplements are only valid if they have been confirmed in writing by the Seller. The same applies to the representation of properties. Agreements concerning a waiver of the written form must also be made in writing.

## Article 10 Place of Performance, Jurisdictional Venue and Partial Ineffectiveness

1. The place of performance for all rights and obligations arising from legal transactions entered into with the Seller shall be Kempten, Allgäu, for both parties. The place of jurisdiction for both parties is – insofar as legally permissible – Kempten, Allgäu.
2. Should any of the aforesaid provisions be or become ineffective, the effectiveness of the remaining provisions shall not be affected thereby.

Information on the collection and processing of your personal data can be found at [www.egger.online/datenschutzinweis](http://www.egger.online/datenschutzinweis).

egger Otoplastik + Labortechnik GmbH, Aybühlweg 59, 87439 Kempten/Allgäu, [www.egger.online](http://www.egger.online)

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