INNOVATION AUS TRADITION
DREVE OTOPLASTIK

PRODUCT CATALOGUE

NO.24

Guarantee

When manufacturing our products, our staff uses selected materials fulfilling the highest technical requirements. Most careful processing guarantees, in addition to our years of experience, an excellent quality level.

Service

A full range of additional services belongs to our performance. Professionally educated audiologists are at your disposal on our hotline to answer your questions about our products.

Quality

The quality standard of Dreve products, of course, follows the current level of science. Dreve Otoplastik GmbH is certified according to DIN EN ISO 9001, DIN EN ISO 13485 and Directive 93/42/EWG, Annex II. Security for users by use of biocompatible products is Dreve's main focus.

Red logo, green ideas

It goes without saying that Dreve quality products and services naturally take into account the issue of sustainability. It continuously influences the optimization and development of our technologies, processes, packaging and innovations.

Innovation aus Tradition

Dear customers,

Fitting hearing aids is an art. Every ear and every person with their individual requirements is unique, which is why every fitting requires the utmost care and precision. We are aware of this and our goal is to provide you with the best possible support in achieving an optimal hearing experience.

To achieve this, we combine many years of practical experience and know-how from our earmold laboratory with the latest scientific findings and technological advances.
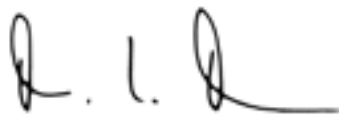
Our medical and laboratory products from our own production are put through their paces in the Dreve laboratory. We set high quality standards and are constantly striving to provide you with the best products. We are not satisfied until you are.

For us, "Innovation aus Tradition" means: curiosity and pleasure in innovations, combined with a long-standing passion for our products and a bond with the industry, our customers and our employees.

Thank you for your trust and loyalty on behalf of the family and the whole Dreve team!

Sincerely yours

Dr. Volker Dreve

Innovative products

Hygiene
Cleaning, gentle on material, caring

The antimicrobial care series OtoVita® has been around for over ten years. The innovative and valuable properties of the various care products have been retained for years. OtoVita® stands for optimal and sustainable care – obtaining high-quality hearing aid systems.

Our OtoVita® Professional products are specially designed for use in laboratories and support the daily work.

Ear impression & Direct fitting
Pure formality

We offer a complete range of high-quality ear impression materials. With Otoform® you achieve a precise and detailed reproduction of the ear. Our Otoform® products are manufactured exclusively from approved silicone polymers under ISO 9001 and ISO 13485 conditions and are tested for biocompatibility.

Like the Otoform® impression materials, our products for direct fitting of BTE, water protection and hearing protection earmolds promise a short curing time and are easy to use.

Digital manufacturing
More than 3D printing

Automated manufacturing by means of 3D printing has long been the state of the art in hearing acoustics. As the first earmold laboratory, Dreve has been involved from the beginning and had a decisive influence on today's manufacturing processes.

Our continuous research and development constantly sets new standards. You can rely on our high-quality materials and validated processes for the digital manufacturing of hearing aid earmolds and shells.

Handcrafted manufacturing
Traditionally manual

Our specially matching working materials and the large selection of Biopor® AB silicones, Fotoplast® acrylates and lacquers facilitate the daily working process in the production of individual and precisely fitting earmolds in the manual process. Our biocompatible materials are characterized by easy processing and fast polymerization.

36

Extras & Accessories
It may be quiet a little more

Each earmold is unique as a fingerprint and a small piece of art: So very often it is the tiny little things that count and determine the final quality of the product. That is why we dedicate ourselves also to the little things like accessory products – from drills to Mixing tips. We set high quality standards, always aiming to provide you with the best product.

58

Application tips from our experts

Did you know? **Don´t forget!** **Tip from the pro**
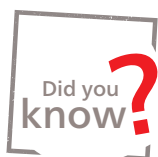
OtoVita®

Cleaning, gentle on material, caring

The antimicrobial care series OtoVita® has been around for over ten years. The innovative and valuable properties of the various care products have been retained for years. OtoVita® stands for optimal and sustainable care – obtaining high-quality hearing aid systems.

Our OtoVita® Professional products are specially designed for use in laboratories and support the daily work.

OtoVita® Mini Care Set

For BTE hearing systems for external care and disinfection of earmolds.

- 1 Small cleaning bowl
- 7 Antimicrobial cleaning tablets (weekly demand)
- 1 Air blower

1 set	0471

OtoVita® Care Set BTE

For external disinfection and drying of hearing systems and earmolds. The antimicrobial OtoVita® Cleaning Tablets provide advanced protection from bacteria and fungi, reducing the risk of ear infections and inflammations. For regular maintenance, recommend to your customers the practical month's supply of cleaning tablets and drying pellets.

- 1 Cleaning bowl
- 7 Antimicrobial cleaning tablets (weekly demand)
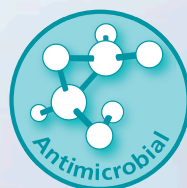- 1 Drying tub
- 2 Drying pellets
- 1 Air blower

1 set	0721

www.dreve.com

**Gentle and
skin-friendly**

**Freshness through
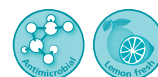lemon scent**

**Antimicrobial
formula**

**Bitter taste
protects children**

OtoVita® Care Set ITE

For external disinfection and drying of hearing systems and earmolds.

- 1 Cleaning spray with vaporiser (30 ml)
- 1 Drying tub
- 2 Drying pellets
- 1 Brush with magnet

1 set	0703

Easy cleaning and drying with OtoVita® care products

Hygiene OtoVita®

OtoVita® Cleaning Tablets

For BTE hearing systems for external care and disinfection of earmolds. Also ideal for disinfection of hearing or splash water protection.

4 x 7 pieces	0521

OtoVita® Cleaning Spray

For external care and disinfection of hearing systems and earmolds.

50 ml	0951
100 ml	0955

OtoVita® Cleaning Tissues

For external care and disinfection of hearing systems and earmolds. The wet tissues do not contain alcohol. Also ideal for disinfection of hearing protection or splash water protection.

30 pieces, in a dispenser, tear-off	0681
30 pieces, single packed	0683

Don´t forget **!** Please note the contact time

OtoVita® Tubing Floss for micro tubing

30 pieces	0684

OtoVita® Tubing Floss

30 pieces	0685

OtoVita® Cleaning Bowl

1 piece	0541

OtoVita® Drying Tub

1 piece	0641

Hygiene OtoVita®

OtoVita® Drying Pellets

6 pieces	07011

OtoVita® Air Blower

Cerumen residues and remaining liquids are removed from the sound canal and tube easily and thoroughly.

1 piece	0572

OtoVita® Care Case

Handy care case to store OtoVita® care products securely. Own branding possible from order quantities > 50 pcs.

- Dimensions: H 75 x W 165 x D 110 mm
- Color: Blue with white branding
- Material: Nylon

1 piece	46612

Otoferm® Creme

Increases the wearing comfort and serves for better settling-in period and additional sealing of the earmold. New improved formulation with aloe Vera, pleasant fragrance with a hint of chamomile.

5 ml	Tube / dispenser	056

Brush with magnet

For cleaning earmolds. The magnet facilitates removing the battery from the hearing system.

25 pieces	067

Wax loop

For removal of cerumen from earmolds or hearing systems.

25 pieces	063

Wire cleaning brush

For cleaning earmolds.

50 pieces	073

Cleaning brush

With magnet and wax loop.

1 pieces	071

Hygiene OtoVita®

OtoVita® dry uv 2.1

OtoVita® dry uv 2.1 offers optimum care. The gentle and energy-saving drying prolongs the life of hearing systems.

- Perfect drying by convective flow
- Hygienic cleansing by UV-C light
- Easy handling with sensor button
- Automatic turn off

OtoVita® dry uv 2.1	0665

dry-cap uv 3.1®

Rechargable dry box for all hearing aids. Hearing aid charging stations of any size can be accommodated under the cap.

- UV-C light for hygienic cleaning
- Rechargeable through USB standard
- 2 modes: Clean mode - an efficient short-term hygiene program or Dry&Clean mode - combines fast drying with UV-C light
- Fast drying due to efficient air blower

dry-cap uv 3.1®	0676

u-sonic 2

The u-sonic 2 is an electronic mini cleaning station for perfect cleaning by power ultrasound.

- 40 kHz frequency at 20 watts
- Easy to use by pressing the sensor button
- Automatic switch-off after 6 min. of cleaning
- 100 ml stainless steel container

u-sonic 2	0677

Technical data

Device	Input	Weight	Device dimensions (H x W x D)
OtoVita® dry uv 2.1	100–240 V, AC 50/60 Hz	~168 g	35 x 90 x 110 mm
dry-cap uv 3.1®	100–240 V, AC 50/60 Hz	~217 g	96 x 82 x 144 mm
u-sonic 2	100–240 V, AC 50/60 Hz	435 g	84 x 100 x 100 mm

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Hygiene OtoVita® Professional
Disinfecting, cleaning, gentle on materials

Application of OtoVita® Professional at the workplace.

OtoVita® Professional Hand Gel

For hygienic hand washing according to DIN 1499 without water. The hand gel is characterized by a smooth consistency, short contact time and a neutral odor. It is not only bactericidal, but also effective against enveloped viruses (such as SARS-CoV-2).

1 l	8277

OtoVita® Professional Disinfection Concentrate

For the disinfection of earmolds and instruments in the ultrasonic cleaning unit. We recommend to change the ultrasonic bath daily to assure an ideal disinfection. The OtoVita Professional disinfection concentrate is effective against bacteria, fungi and enveloped viruses (e.g. SARS-CoV-2).

1 l	8270

OtoVita® Professional Disinfection Spray

For disinfecting ear impressions and work surfaces to ensure a hygienic workplace. The OtoVita Professional disinfection spray is effective against bacteria, fungi and enveloped viruses (e.g. SARS-CoV-2).

750 ml	8272

Don´t forget **!**

Use biocidal products with care. Always read the label and product information before use.
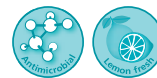
- ⊕ **For rapid disinfection during daily work**
- ⊕ **Comprehensive protection against most common bacteria and fungi**
- ⊕ **Also effective against enveloped viruses (such as SARS-CoV-2)**
- ⊕ **Prevents drying of the hands**
- ⊕ **Maintains the natural smoothness of the skin**

Hygiene Devices

Ultrasonic cleaning unit

Low-priced ultrasonic unit with stainless steel tank and plastic insert basket for occasional use. The integrated timer is infinitely variable up to seven minutes continuous operation.

Ultrasonic cleaning unit	823

Bandelin

High quality ultrasonic cleaning equipment for everyday use. The robust, compact and easy to operate devices are equipped with a timer for setting to the minute or continuous operation.

Bandelin RK 31	821
Bandelin RK 100 H with heating function	82100

82100

Technical data

Device	Voltage	HF power	Frequency	Filling volume	Interior dimensions (H x W x D)
Ultrasonic cleaning unit	230 V / 50 Hz	50 watts	42 kHz	0.6 l	55 x 155 x 95 mm
Bandelin RK 31	230 V / 50 Hz	160 watts	35 kHz	0.6 l	60 x 190 x 85 mm
Bandelin RK 100 H	230 V / 50 Hz	320 watts	35 kHz	2.0 l	100 x 240 x 140 mm

Lid made of stainless steel

1 piece	for RK 31	8212

8212

Insert basket made of stainless steel

Dimensions:
RK 31: H 52 x W 175 x D 70 mm
RK 100 H: H 40 x W 200 x D 110 mm

1 piece	for RK 31	8211
1 piece	for RK 100 H	82103

8211

82103

Lid with hole made of stainless steel

For 2 beaker.

1 piece	for RK 31	8213
1 piece	for RK 100 H	82101

8213

Beaker

1 piece	for RK 31	600 ml, Ø 76 mm	8214
1 piece	for RK 100 H	600 ml, Ø 85 mm	82102

8214

82101

82102

Insert basket made of plastic

Ø 75 mm, suitable for one beaker, ideal for earmolds and small items.

1 piece	for RK 31	830

830

Ear impression & Direct fitting

Pure formality

We offer a complete range of high-quality ear impression materials. With Otoform® you achieve a precise and detailed reproduction of the ear. Our Otoform® products are manufactured exclusively from approved silicone polymers under ISO 9001 and ISO 13485 conditions and are tested for biocompatibility.

Like the Otoform® impression materials, our products for direct fitting of BTE, water protection and hearing protection earmolds promise a short curing time and are easy to use.

Ear impression & Direct fitting Otoform®

Otoform® Xpand

The addition-vulcanizing Otoform® Xpand expands gently in the ear during impression taking. The impression material is advantageous for soft ear tissue, as it extends proportionally in the ear. In addition, it is also favorable for the fitting of hearing protection and power hearing aid systems. Otoform® Xpand guarantees a high sealing of earmolds. It is pressure building like a putty material, but allows a simple ear impression taking without much effort thanks to the creamy-fluffy consistency and excellent flowability.

8 x 50 ml	Double cartridge		2966

Impression taking with Otoform® Xpand in the Injector control A

Otoform® A softX

Addition-vulcanizing ear impression silicone with a pasty consistency. Otoform® A softX is particularly suitable for deep ear impressions. It can be injected deeply into the auditory canal without much effort. Despite its good flowability, it is absolutely thixotropic and only flows out of the cartridge when it is pumped.

Now also available with color indicator: The material shows by a color change from violet to pink that it is cured.

8 x 50 ml	Double cartridge		2956
8 x 50 ml	Double cartridge with color indicator		8801

Did you know?

Otoform® A soft X
Due to its special properties it is excellently suited for children and deep impressions.

Otoform® Ak

The first non-sticky, kneadable ear impression silicone for the slightly pressure-forming impression technique in double cartridges. For fast, secure and hygienic impression taking.

8 x 50 ml	Double cartridge		4545

Ear impression & Direct fitting Otoform®

Otoform® A soft

The impression material has a pasty consistency, but is at the same time absolutely thixotrope-stable. Consequently, it does not flow out of the ear. After curing, the impression can be easily removed from the ear and has a high tensile strength. We recommend Otoform® A soft for the pressure-free impression taking and for CIC hearing systems.

8 x 50 ml	Double cartridge	3206

Otoform® A flex

Impression material with a pasty consistency that is also absolutely thixotropic and does not flow out of the ear. The soft-flexible final hardness makes it particularly comfortable to remove the impression from the ear. Particularly recommended for CIC impressions, very narrow auditory canals (e.g. children) or for people who are sensitive to pain.

8 x 50 ml	Double cartridge	2936

Overview Otoform® double cartridge

Product	Features	Impression technique	Final hardness	Application
Otoform® Xpand	Expanding, soft, easy handling and processing	pressure-forming	20 ± 2 Shore A	Hearing protection, Power and standard BTE, ITE, soft ear tissue
Otoform® A softX	Soft, easy processing, optimal fluidity	without pressure	25 ± 2 Shore A	ITE, CIC, IIC, sensitive ear tissue
Otoform® A softX with color indicator	Soft, easy processing, optimal fluidity	without pressure	25 ± 2 Shore A	ITE, CIC, IIC, sensitive ear tissue
Otoform® Ak	Classic	pressure-forming	35 ± 2 Shore A	Hearing protection, Power and standard BTE, ITE
Otoform® A soft	Soft, easy processing	without pressure	40 ± 2 Shore A	ITE, CIC
Otoform® A flex	Soft, flexible, easy processing	without pressure	25 ± 2 Shore A	ITE, CIC

Ear impression & Direct fitting Otoform®

Otoform® Ak X

The pink impression material is a soft, smooth-running and non-sticky mousse. It is tangibly elastic, comfortable to process as well as easy to fit. Due to its flowability it is perfect for deep ear impressions (CIC).

2 x 250 ml	Tubs (A+B), incl. dosing spoons		470
2 x 500 ml	Tubs (A+B), incl. dosing spoons		475

Otoform® Ak

Proven kneadable impression material, non-sticky and smooth with a slightly pressure-forming consistency. An even and controlled pressure is applied on the ear tissue. Otoform® Ak is advantageous for earmold fitting and sealing for less resilient ear tissue.

2 x 272 ml	Tubs (A+B), incl. dosing spoons		464
2 x 544 ml	Tubs (A+B), incl. dosing spoons		452
2 x 3.4 l	Buckets A+B		456
2 x 10.2 l	Buckets A+B		457
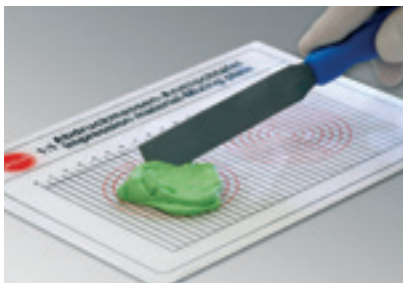
Preparation of an ear impression with Otoform® Ak

Otoform® Singles

The portion package is ideal for two ear impressions. Especially for home visits it is a hygienic, practical and quick option.

2 x 10 ml	Singles (A+B), Otoform® Ak X		45430
	Singles (A+B), Otoform® Ak		45420

Ear impression & Direct fitting Otoform®

Preparation of an ear impression with Otoform® Kc

Otoform® Kc

A kneadable, smooth and non-sticky impression material, with a light pressure forming consistency. Even and stable pressure is applied on less resilient ear tissue and so influences the fitting and sealing of the earmolds positively.

124 ml	Tub + 5 ml hardener paste	500
584 ml	Tub + 20 ml hardener paste incl. measuring spoon	502
13.1 l	Bucket	504

Hardener paste

The hardener paste for the impression material Otoform® Kc is also available separately.

| 5 ml | Tube | | 52112 |
| 20 ml | Tube | | 52212 |

Overview Otoform® Putty Material

Product	Features	Impression technique	Final hardness	Application
Otoform® Ak X	Soft mixing feeling	pressure-forming	30 ± 2 Shore A	BTE, ITE, CIC, IIC, sensitive ear tissue
Otoform® Ak	Classic	pressure-forming	35 ± 2 Shore A	Hearing protection, Power and standard BTE, ITE
Otoform® Kc	Condensation-vulcanising	pressure-forming	30 ± 2 Shore A	BTE, ITE, CIC

Ear impression & Direct fitting Otoferm® Protect & Otopren

Otoferm® Protect

Ideal for the direct fitting of BTE and splash water protection earmolds. Manufactured earmolds from Otoferm® Protect are floatable. Similar to an impression material, Otoferm® Protect has a short curing time and is easy to process.

2 x 100 ml	Tubs (A+B), opaque		17401
	Tubs (A+B), opaque		17402
	Tubs (A+B), opaque		17403
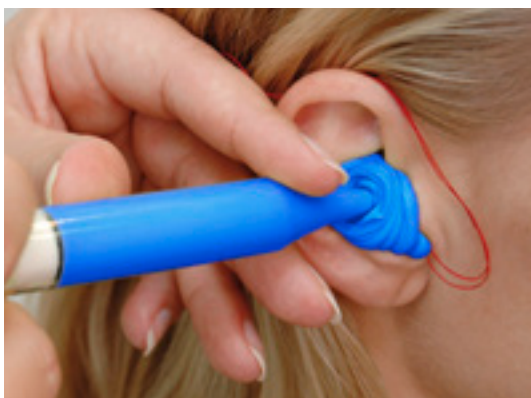
Direct fitting with Otoferm® Protect

Otoferm® Protect with swim box

In a practical 2 x 10 ml portion pack with waterproof floating box. The floating box offers space for two earmolds. For direct fitting on site.

| 2 x 10 ml	Singles (A+B), opaque		13915
	Singles (A+B), opaque		13916
	Singles (A+B), opaque		13917

Otopren

High-quality silicone, addition-vulcanizing and 1:1 mixable. The consistency is smooth for a clean and precise processing in the double cartridge. We recommend to seal the surface of the earmolds with soft silicone lacquers.

• Final hardness: 55 Shore A

8 x 50 ml	Double cartridge, reddish transparent		17501

Ear impression & Direct fitting Accessories
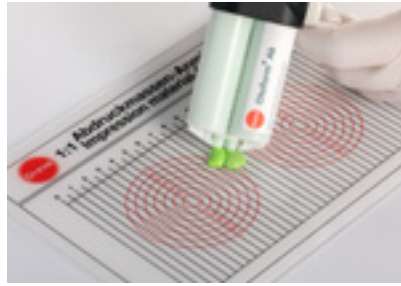
Application of an injector with double cartridge

Manual Injectors

The manual Injectors enable a clean and safe application of impression materials with stable pressure. Less effort is necessary for dispensing the material.

Injector DS 50 for 50 ml double cartridges	**1502**
Injector for 48 ml and 50 ml double cartridges	**15022**

1502

15022

Spacer

To reduce the grip distance, for easier dispensing of impression material. For Injector and Injector DS 50.

1 piece	**1507**

19

Ear impression & Direct fitting Accessories

Injector control A

The Injector control A is extremely comfortable and increases the freedom of movement during impression taking. Suitable for all Otoform® impression materials.

220–230 V / 50–60 Hz	15151
115 V / 60 Hz, US plug	15151A

Simple loading of the double cartridge

- ⊕ Automatic dosage and mixing of impression material
- ⊕ Even and adjustable pressure on the ear tissue, thus a fitting of the earmold resp. ITE system is controlled in a better way
- ⊕ Reduces shaking and moving thanks to the electromotive drive
- ⊕ Continuously variable speed (0.35–3.5 r/min)
- ⊕ Quick exchange of cartridges
- ⊕ For all 48 ml and S 50 double cartridges
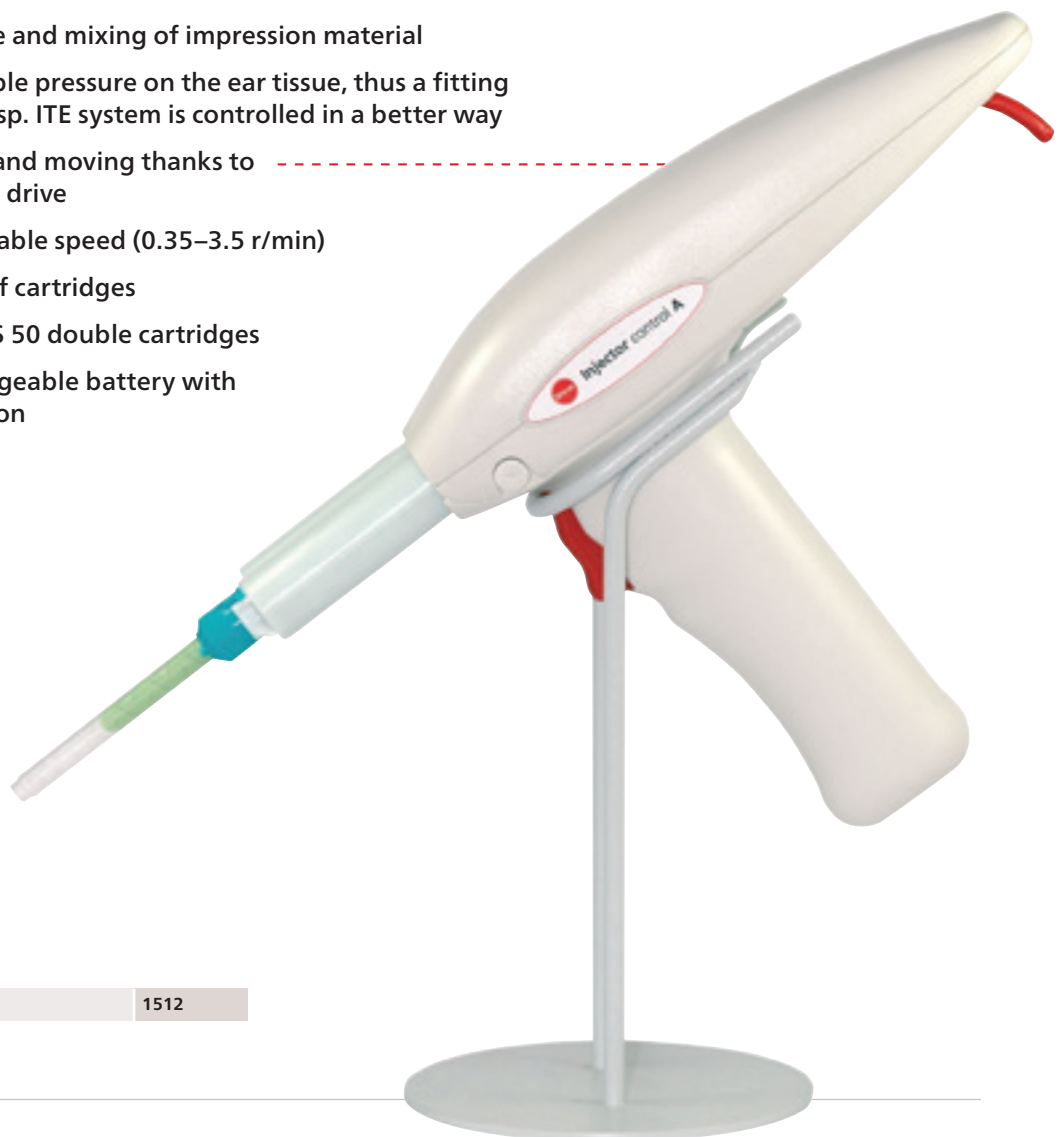- ⊕ Integrated rechargeable battery with overload protection

Table rack

For Injector control A

1 piece	1512

Technical data

Product	Voltage	Weight	Dimensions (H x W x D)
Injector control A	DC-motor: 4 watts / 12 Volt	~600 g with integrated rechargeable battery	200 x 220 x 65 mm

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Ear impression & Direct fitting Accessories

Impression syringes

The double piston principle enables simple filling as well as a stable and easy injection. The transparent cylinder makes the injection process visible. Details, such as the screwing of pistons and bottom part, are practical in application. The CIC impression syringe is advantageous for narrow auditory canals, such as those of children. Internal and external parts can be ordered individually.

Standard		532
Standard		533
CIC		534

Dosing spoons

The dosing spoons enable an appropriate dosage of addition-vulcanizing ear impression silicones. Unmistakable assignment to the components through the color coding. With a volume of 5 ml each it is perfectly adjusted to the average ear impression.

1 set	4610

Large mixing spatula

Made of metal with plastic handle.

1 piece	198

Mixing tray

With dosing scale.

1 piece	551

Mixing pad

100 sheets	547

HEINE mini 3000® LED Fiber Optic Otoscope

Modern otoscope with maintenance-free LED illumination. Twice as bright as a conventional Xenon Halogen otoscope. The result is an evenly illuminated light field with an excellent color rendering. The lateral circular Fiber Optic (F.O.) illumination enables shadowless lighting of the tympanum and the auditory canal.

• incl. 10 disposable funnels, 5 x Ø 2.5 / 4.0 mm

HEINE mini 3000® LED Fiber Optic Otoscope	540

Heine mini 3000® Fiber Optic Otoscope
with fiber optic illumination

540

HEINE mini 3000® Otoscope

Modern pocket Otoscope in a unique, compact design with enhanced Xenon-Halogen-Lighting-Technology (XHL) for 100 % concentrated white light for perfect illumination. Viewing window with 3x magnification and optimized casing surface for razor-sharp images and minimal reflection. The high quality handle consists of a chrome finished upper section and refined plastic which is shockproof, robust and slip-resistant.

• incl. 4 funnels for permanent use Ø 2.4 / 3.0 / 4.0 / 5.0 mm

• + 10 disposable funnels, 5 x Ø 2.5 / 4.0 mm

HEINE mini 3000® Otoscope	541
HEINE mini 3000® Otoscope in a case	5415

HEINE mini-e ear light (LED)

The HEINE mini-e® ear light is equipped with a unique LED[HQ]. The robust and durable ear light has a virtually unlimited service life with 20,000 guaranteed operating cycles.

HEINE mini-e® ear light (LED)	560

Heine mini 3000® Otoscope
with Xenon Halogen Direct Illumination

541

HEINE mini-e ear light (LED) Replacement head

Incl. LED and ear light tip.

Replacement head	5601

Spare bulbs

HEINE mini 2000® Otoscope	5454
HEINE mini 3000® Otoscope	5414
HEINE mini 3000 F.O. Otoscope	5402
HEINE ear light	5393
HEINE mini-c® ear light	5383

5601

5454   5414

5393   5383

Ear light tips for HEINE mini-c® ear light

For the placement of impression pads in the auditory canal.

40 mm	5380

5380

560

Ear impression & Direct fitting Accessories

Funnels for HEINE Otoscopes

4 pieces	Funnel for permanent use	Ø 2.4 mm / 3.0 mm / 4.0 mm / 5.0 mm	5451
1 piece		Ø 2.4 mm	5459
		Ø 3.0 mm	5460
		Ø 4.0 mm	5452
		Ø 5.0 mm	5453
50 pieces		Ø 2.4 mm	5464
		Ø 3.0 mm	5467
		Ø 4.0 mm	5462
		Ø 5.0 mm	5463
250 pieces	Disposable funnel	Ø 2.5 mm	1635
		Ø 4.0 mm	1636

Product made of
RECYCLED
MATERIAL

1637

Dispenser for disposable funnels

Without funnels.

1 piece	1637

170

Jaw tweezers

For a safe insertion of impression pads.

1 piece	170

Scissors with rounded ends

For hair removal in the ear.

1 piece	162

162

Vented impression pads

Especially for deep ear impressions, as the ventilation tube serves to equalize the pressure when delivering the material and removing the impression.

24 pieces	Ø 7 mm		5671
	Ø 9 mm		5672
	Ø 11 mm		5673
	Ø 13 mm		5674
	Ø mixed: 7, 9, 11, 13 mm 6 pieces of each diameter		5675

Impression pads

Foam cone with safety thread to protect the ear drum during impression taking. The pads consist of flexible foamed material and seal the auditory canal by a safe fitting. Insertion with jaw tweezers and ear light. The impression pads CIC are suitable for children or narrow auditory canals.

100 pieces	Cone form: Ø approx. 11 mm, length: 12 mm, Standard		565
	Cone form: Ø approx. 11 mm, length: 7 mm, CIC		566

Vented impression pad
Due to the pressure compensation between the auditory canal and surrounding areas the impression material is directed deeply to the vented pad. Particularly for deep impressions.

Standard impression pad
The impression material is not directed to the pad as pressure compensation does not take place.

23

Digital manufacturing

More than 3D printing

Automated manufacturing by means of 3D printing has long been the state of the art in hearing acoustics. As the first earmold laboratory, Dreve has been involved from the beginning and had a decisive influence on today's manufacturing processes.

Our continuous research and development constantly sets new standards. You can rely on our high-quality materials and validated processes for the digital manufacturing of hearing aid earmolds and shells.

Did you know? Some of our products are TPO free and can be recognized by this symbol:

FotoTec® DLP.flex clear transparent

FotoTec® DLP.A reddish transparent

FotoCast® red transparent

Digital manufacturing

Overview of additive manufacturing processes	DLP (Digital Light Process)	SL (Stereolithography)	LCD (Liquid Crystal Display)
Material			
FotoTec® DLP.A	•		
FotoTec® DLP.B	•		
FotoTec® DLP.flex	•		
FotoCast®	•	•	
FotoCast®2			•
FotoTec® SL.A		•	
FotoTec® SL.E	•	•	

Digital manufacturing FotoTec®

FotoTec® DLP.A

The premium material for the 3D printing process. FotoTec® DLP.A is a biocompatible resin with ideal features for 3D Printing. Aligned to the wavelength of 385nm the material is perfect to manufacture earmolds and shells.

- Optimized initiator system
- Low viscosity for easy cleaning and minimum adhesive forces
- Perfect surface quality

1.0 kg	brilliant transparent		24000
	clear transparent		24100
	reddish transparent		24200
	red transparent		24400
	blue transparent		24500
	beige opaque 1		24300
	beige opaque 2		24600
	beige opaque 3		24650
	reddish orange transparent		24710
	orange transparent		24720
	green opaque		24910
	purple transparent		24810
	grey transparent		24820
	neon yellow transparent		24550

0.5 kg	deep black opaque		24950
	white brilliant		24700

FotoTec® DLP.B

The material is characterized by high color stability, even under high UV exposure: earmolds made of FotoTec® DLP.B retain their crystal-clear transparency. It is therefore ideally suited for the production of ITE hearing systems with 385nm wavelength printing processes.

- Absolute transparency even under high UV exposure
- High elastic strain
- Ideal for the production of ITE hearing systems

1.0 kg	clear transparent	36100

FotoTec® DLP.flex

Flexible material for manufacturing elastic earmolds and RICs on 3D DLP printing systems.

- Lean manufacturing: Increase of capacities and automation
- Simple and direct process
- Enhanced wearing comfort

1.0 kg	70 Shore A	clear transparent	42100
	90 Shore A	clear transparent	42200

Digital manufacturing FotoTec® & FotoCast®

FotoCast®

For the generative manufacturing of cast forms to produce soft earmolds and hearing protection.

- Shortened construction time due to optimum mechanical properties and special viscosity
- Low cleaning effort after building cast forms
- Easy filling of the printed cast form and after polymerization easy extraction of the Biopor® AB earmolds

1.0 kg	red transparent		14000

FotoCast®2

For the generative manufacturing of cast shells to produce soft earmolds and hearing aid protection.

- Works without post-curing
- No separator needed
- No Toxics: No use of raw materials that are harmful to health

1.0 kg	yellow transparent		14010

FotoTec® SL.E

The versatile material for earmolds. FotoTec® SL.E is ideally suited for the production of thin-walled BTE and RIC earmolds.

- 1 material for several 3D printing systems
- For the manufacturing of earmolds, RICs and shells
- For Stereolithography and DLP

1.0 kg	clear transparent		14100
	beige opaque 1		14300
	red transparent		14400
	blue transparent		14500

FotoTec® SL.A

Proven laser-curing resin for the manufacturing of ITE shells and BTE earmolds on the basis of the 3D Stereolithography process.

- Tested biocompatibility
- Smooth, homogeneous surface
- Brilliant surface sealing with FotoScreen

1.0 kg	clear transparent		7100
	reddish transparent		7200
	beige opaque 1		7300
	beige opaque 2		7600
	red transparent		7400
	blue transparent		7500

Digital manufacturing

Phrozen Sonic XL 4K – Qualified by Dreve

Compact desktop LCD printer with 52µm printing precision thanks to 4K display and high light intensity for fast construction times. High-quality all-metal housing, a huge build platform and an easy handling of the vat make the Dreve version of the Sonic XL 4K a user-friendly 3D printer for the manufacturing of cast shells to produce soft earmolds and hearing protection.

Build volume 200 x 125 x 200 mm

Phrozen Sonic XL 4K – Qualified by Dreve	**D3500X1**

PCU LED N$_2$

PCU LED N$_2$ is the post-curing unit for safe manufacturing of 3D printed medical devices. Thanks to the option of post-curing in a nitrogen atmosphere, the PCU LED N$_2$ is ideal for the production of earmolds, RICs and shells without inhibition layers. The software concept guarantees the user a simple operation and with the LED quick test an immediate check of the LED functionality. The administrator can define programs and read protocols. Further, he can calibrate and update the system.

- Curing under various atmospheric conditions (ambient air, vacuum or nitrogen)
- LED quick test for detection of the most common LED errors
- Long LED lifetime (approx. 20,000h)
- Password protected admin menu for secure data input
- Low operating and maintenance costs
- Logging and monitoring of process parameters
- Data transfer via USB

PCU LED N$_2$ with vacuum and nitrogen	**4317**

Technical data

Device	Voltage and Frequency	Polymerization chamber	Weight	Dimensions (H x W x D)
Phrozen Sonic XL 4K	100–240 V / 50–60 Hz / 0.7 A	–	approx. 18 kg	470 x 330 x 290 mm
PCU LED N$_2$	100–240 V / 50–60 Hz	65 x 150 x 150 mm	9.3 kg	110 x 389 x 276 mm

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Digital manufacturing Devices

FotoClean

FotoClean is a ready-to-use, water-based cleaning mixture for use in the Bandelin heated ultrasonic cleaning unit to clean additively manufactured components.

2 x 1 l	50000
5 l	50001

Sonolux Flash Evo

**High-performance light curing unit
with Xenon-stroboscope flashlights**

The Sonolux Flash Evo is a light polymerization unit for the post curing of generative parts made of FotoTec® resins under protective gas (nitrogen). The protective gas atmosphere prevents the formation of an inhibition layer (smear layer) on the surface of earmolds and hearing aid shells. Thanks to the electronic timer, which can be programmed individually, all production steps as nitrogen supply, polymerization time and break times can be set precisely.

230 V/50 Hz	120103
115 V/60 Hz	120103A
220 V/60 Hz	120103B

Technical data

Device	Voltage	Polymerization chamber	Weight	Dimensions (H x W x D)
Sonolux Flash Evo	230 V / 50 Hz, 220 V / 60 Hz, 115 V / 60 Hz	40 x 140 x 180 mm	16.6 kg	195 x 517 x 295 mm

Digital manufacturing Lacquers

FotoScreen®

- High gloss with absolute transparency
- Lotus effect for easy cleaning
- Extremely resistant protective layer for a long earmold lifetime
- Flexible use in all current Dreve post-curing units

SoftTouch Lack

- Secure fit in the ear
- High wearing comfort due to anti-slip effect and pleasantly soft haptics
- High bond strength with FotoTec®
- Tangibly high-quality surface refinement
- Scratch and abrasion resistant
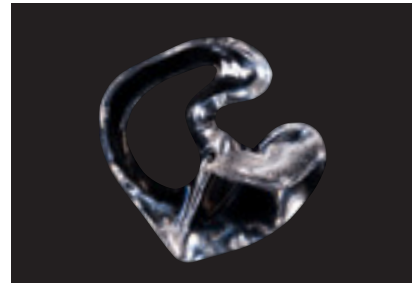
VarioScreen®

- Flexible surface coating for better elongation of earmolds
- High gloss lacquer for FotoTec® DLP.A, FotoTec® DLP.flex and VarioTherm® Plus earmolds
- No Toxics: No use of raw materials that are harmful to health, TPO-free

FotoScreen®

For a high-gloss experience

The premium lacquer is characterized by brilliant surface properties on hard earmolds and can also be used flexibly in all current Dreve post-curing units.

20 ml	brush included	clear transparent	0805
50 ml	brush included	clear transparent	0806
250 ml		clear transparent	0807

Did you know? The optimal finish is achieved with FotoScreen – brilliant, durable, flexible

SoftTouch Lack

For a secure grip

Varnish for acrylic earmolds with special anti-slip effect. The extremely elastic and light-curing lacquer achieves a secure fitting in the ear and high wearing comfort.

| 20 ml	brush included	clear transparent	4422
50 ml	brush included	clear transparent	4423
250 ml		clear transparent	4424

Digital manufacturing Lacquers
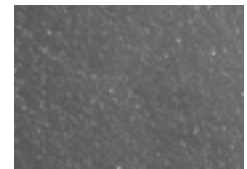
Fotoplast® Lack M

For a satin finish

The light-curing varnish for hard acrylic earmolds has special fillers achieving a silk-mat surface. The coating optically and haptically exeeds rough surfaces treated with sandpaper and offers all positive characteristics of traditional UV coatings.

50 ml	brush included	clear transparent	49431
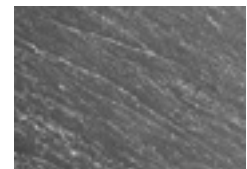
Surface treated with sandpaper, unpainted, magnification 45x

Surface coated with Fotoplast® LacK M, magnification 45x

NanoScreen™ Lack

The coating for hard earmolds and ITE shells creates a specific surface energy of extreme homogeneity and hardness that is easy to clean. Curing is recommended in a post-curing unit under a nitrogen atmosphere.

20 ml	brush included	clear transparent	4942
50 ml	brush included	clear transparent	4945
250 ml		clear transparent	4946

Earmold lacquered with NanoScreen™ Lack

FotoTec® Repair

FotoTec® Repair is a light-curing one component resin in premium quality for repairing ITE shells and BTE earmolds.

- Easy processing
- Color variety
- With 3 dosing tips each

10 ml	clear transparent	7110
	red transparent	7410
	blue transparent	7510
	beige opaque 1	7310
	beige opaque 2	7610

VarioScreen®

Innovative lacquer for earmolds made of VarioTherm® Plus, FotoTec® DLP.A and FotoTec® DLP.flex.

- Easy-to-use one component lacquer
- Great bonding
- High gloss coating for earmolds
- Achieves an outstanding surface quality

250 ml	clear transparent	14691

VarioTherm® earmold lacquered with VarioScreen

Digital manufacturing DACS 2.0

DACS 2.0

The automated coating process of custom-made earmolds is an essential part of the manufacturing workflow since 2009 when the first DACS has been put into operation at Dreve in Unna.

The high production capacity of the system, which among other things generates high-quality reproducible results through controlled lacquer layer application and optimized exposure parameters, leads to a system concept that is used as a module in the automated, process-controlled production of earmolds in the hearing aid industry.

DACS 2.0	4000

System description

As an improvement, the DACS 2.0 is easy to implement in the manufacturing process and belongs to the smallest coating machines in the coating industry based on a small footprint and a compact construction. A simple installation is guaranteed as it includes all necessary connections and also a suction unit. A further advantage of the small machine is the possibility to spray not only UV acrylic lacquers but also UV silicone lacquers. The process-controlled, automated application of biocompatible silicone lacquers guarantees excellent surface quality on silicone applications such as earmolds or hearing protection.

Automated coating in DACS 2.0

Digital manufacturing DACS 2.0

⊕ **Increased production capacity with shorter production time compared to the traditional coating process (brushing or dipping)**

⊕ **Less personnel commitment costs in manufacturing and quality inspection**

⊕ **Lacquering is process controlled**

⊕ **Optimized light curing parameters**

⊕ **Reproducible results of high quality coatings**

⊕ **For biocompatible sprayable acrylic lacquers**

⊕ **For biocompatible sprayable silicone lacquers**

Technical data

Device	Part size	Power input	Temperature	Exhaust duct	Dimensions (H x W x D)
DACS 2.0	Ø < 50 mm, H < 50 mm	approx. 2 kW	20–25 °C	2,000 m³/h	1970 x 880 x 2250 mm

Handcrafted manufacturing

Traditionally manual

Our specially matching working materials and the large selection of Biopor® AB silicones, Fotoplast® acrylates and lacquers facilitate the daily working process in the production of individual and precisely fitting earmolds in the manual process. Our biocompatible materials are characterized by easy processing and fast polymerization.

Biopor® AB Xtreme

Tear-resistant, elastic and triple flexible. The first addition-vulcanizing silicone with unrivalled mechanical features up to now: Biopor® AB Xtreme has a high tensile strength, elongation at break as well as tear resistance. Hence, it is perfect for the manufacturing of fine but robust, permanently flexible silicone earmolds. Biopor® AB Xtreme can be used in traditional as well as automated manufacturing like e. g. the FotoCast® process. Curing is recommended in the Polymax at 40 °C which also offers the use of negative gel molds.

25 Shore A

8 x 50 ml	Double cartridge	clear transparent		28825
		white opaque		288251
		blue opaque		288254
		red opaque		288256
		yellow opaque		288257
		orange opaque		288258
		reddish transparent		28826

40 Shore A

8 x 50 ml	Double cartridge	clear transparent		28840
		reddish transparent		28841
		purple transparent		288411
		medium brown transparent		288413
		champagne transparent		288414
		onyx black opaque		288415
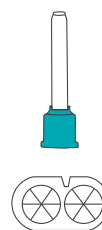
Handcrafted manufacturing Biopor® AB

40 Shore A

8 x 50 ml	Double cartridge	slate transparent		288416
		sterling transparent		288417
		tan transparent		288418
		blue transparent		28842
		white opaque		288420
		pink transparent		288421
		neon yellow opaque		288422
		neon green opaque		288423
		neon pink opaque		288424
		neon orange opaque		288425
		blue opaque		288426
		purple opaque		288427
		red opaque		288428
		red transparent		28844

60 Shore A

8 x 50 ml	Double cartridge	clear transparent		28860
		reddish transparent		28861
		medium brown transparent		288613
		red opaque		288617
		blue opaque		288622
		yellow opaque		288632
		orange opaque		288634
		green opaque		288642
		black opaque		288652
		white opaque		288662

■ Biopor® AB – 40 Shore A   ■ Biopor® AB Xtreme – 40 Shore A

Elongation at break, %

Biopor® AB Xtreme	380
Biopor® AB	300

0   100   200   300

Tensile strength, MPa

Biopor® AB Xtreme	5,1
Biopor® AB	4,2

0   1   2   3   4   5

Tear strength, N/mm

Biopor® AB Xtreme	23
Biopor® AB	17

0   5   10   15   20
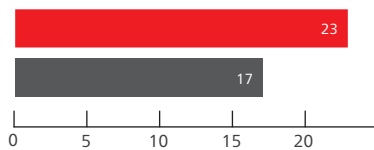
Biopor® AB monitoring

Addition-curing silicone for the production of tear-resistant, soft-flexible earmolds in iridescent metallic colors.

40 Shore A

8 x 50 ml	Double cartridge	turquoise metallic		28101
		silver metallic		28105
		blue metallic		28106
		red metallic		28108
		pink metallic		28109
		black metallic		28113
		smoke gray-metallic		28124
		emerald green		28120
		sky blue		28121

Handcrafted manufacturing Biopor® AB

Biopor® AB

Biopor® AB is a high-quality, permanently flexible, addition-vulcanizing and skin-friendly silicone. Indirect manufacturing takes place in the laboratory after impression-taking or scanning.

25 Shore A

8 x 50 ml	Double cartridge	clear transparent		28351
		reddish transparent		28301
		red transparent		28311
		blue transparent		28321
		yellow transparent		28331
		green transparent		28361

40 Shore A

8 x 50 ml	Double cartridge	clear transparent		28200
		reddish transparent		28201
		purple opaque		28202
		orange opaque		28203
		pink opaque		28204
		dark red opaque		28211
		red opaque		28212
		blue opaque		28222
		yellow opaque		28232
		green opaque		28242
		black opaque		28252
		white opaque		28262
		beige opaque		28272
		blue transparent		28290
		dark brown transparent		28291
		medium brown transparent		28292
		light brown transparent		28293
400 ml		reddish transparent		282

60 Shore A

8 x 50 ml	Double cartridge	clear transparent		28400
		reddish transparent		28401
		red opaque		28412
		raspberry red opaque		28413
		fuchsia magenta opaque		28415
		purple opaque		28416
		blue opaque		28422
		azur blue opaque		28423
		skyblue		284121
		yellow opaque		28432
		bright yellow opaque		28433
		orange opaque		28434
		green opaque		28442
		lime green opaque		28443
		black opaque		28452
		white opaque		28462
		beige opaque		28472
		medium brown transparent		28492
		light brown transparent		28493

25 Shore A / 40 Shore A

60 Shore A

- Comfortable processing in 50 ml double cartridges (Especially for the production of multicolored earmolds)
- Alternatively also available in larger cartridges for economical processing
- Tested biocompatibility (addition-vulcanizing silicones are emission-free and physiologically completely safe)
- Polymerization for Biopor® AB earmolds takes only 20–30 minutes at room temperature
- Unique color variety
- Various final hardnesses (20–60 Shore A)
- High wearing comfort due to a soft haptics
- Longevity

Handcrafted manufacturing Biopor® AB

Biopor® AB fluorescent

The addition-curing silicone fascinates with its signal colors, which do not lose their luminosity even in the dark and thus ensure luminous moments. As hearing and splash water protection, the fluorescent silicone offers a wide range of applications for work and leisure.

40 Shore A

8 x 50 ml	Double cartridge	yellow fluorescent		28700
		green fluorescent		28701
		blue fluorescent		28702
		magenta fluorescent		28703
		red fluorescent		28704
		orange fluorescent		28705
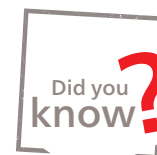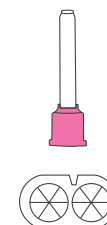
Biopor® AB light

Addition-vulcanizing silicone for high-quality, durable splash water protection plugs. Thanks to the low weight Biopor® AB light earmolds stay floatable even when lacquered. For a brilliant, easy to clean surface we recommend our silicone lacquers.

16 Shore A

8 x 50 ml	Double cartridge	reddish transparent		28501

25 Shore A

8 x 50 ml	Double cartridge	purple opaque		28516
		light blue opaque		28524
		dark blue opaque		28525
		dark red opaque		28526
		neon yellow opaque		28527
		neon pink opaque		28513
		neon orange opaque		28593
		neon green opaque		28543
		black opaque		28552
		white opaque		28562
		beige opaque		28571
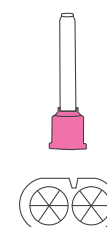
Overview Earmold Silicones

Product	Consistency	Production methods	Processing time (23 °C ±1 °C)	Setting time	Application
Biopor® AB Xtreme	medium-bodied – Type 2	with FotoCast® SL, Fotogel, plaster	3:30 min. ± 30 sec.	30 min. ± 5 min. (40 °C / 4 bar)	Hearing protection, BTE
Biopor® AB	medium-bodied – Type 2	with FotoCast® SL, Fotogel, plaster	2:30 min. ± 30 sec.	25 min. ± 5 min. (23 °C ± 1 °C)	Hearing protection, BTE
Biopor® AB monitoring	medium-bodied – Type 2	with FotoCast® SL, Fotogel, plaster	2:30 min. ± 30 sec.	25 min. ± 5 min. (23 °C ± 1 °C)	Hearing protection, BTE
Biopor® AB fluoreszent	medium-bodied – Type 2	with FotoCast® SL, Fotogel, plaster	2:30 min. ± 30 sec.	25 min. ± 5 min. (23 °C ± 1 °C)	Hearing protection, BTE, water protection
Biopor® AB light	medium-bodied – Type 2	with FotoCast® SL, Fotogel, plaster	2:30 min. ± 30 sec.	25 min. ± 5 min. (23 °C ± 1 °C)	BTE, water protection

Handcrafted manufacturing

Handcrafted manufacturing Lacquers

NanoScreen™ Soft Lack

The NanoScreen™ Soft Lack already shows its effect after a few hours and after 12–24 hours it features a sterile silicone surface. The growth of bacteria is reduced considerably.

- Less bacteria on the silicone surface
- Durable coating that is easy to clean

20 ml, incl. 5 brushes	0801
50 ml, incl. 5 brushes	0802
250 ml	0803

Protection against bacterial growth! – Easy cleaning!

Lack B eco

The properties of the moisture-curing coating B eco correspond to those of the proven Lack B.

- Optimized formulation: Less odor and stays fresh longer in the bottle
- User friendly, contains no toluene
- Brilliantly shiny, clear transparent surface
- Moisture-curing
- For lacquering all silicone earmolds made of Biopor® AB
- Excellent bond between silicone earmold and the layer of Lack B eco
- Robust and durable coating

20 ml, incl. 5 brushes	0811
50 ml, incl. 5 brushes	0812
250 ml	0813

Lack B matt

Moisture-curing lacquer with mat finish to varnish silicone earmolds.

- Optimized formulation: Less odor and stays longer fresh in the bottle
- Silky smooth, mat surface
- User-friendly, contains no toluene
- Moisture-curing
- For lacquering all silicone earmolds made of Biopor® AB
- Excellent bond between silicone earmold and the layer of Lack B matt
- Durable coating and compared to corundum treated surfaces much easier to clean

20 ml, incl. 5 brushes	0814
50 ml, incl. 5 brushes	0815
250 ml	0816

Handcrafted manufacturing Lacquers

Lack B

Humidity-curing silicone lacquer for earmolds made of Biopor® AB.

20 ml, incl. 5 brushes	309
50 ml, incl. 5 brushes	081
250 ml	082

Don't forget! Do not leave moisture-curing lacquers exposed to air for too long!

Biopor® AB UV Lack / Biopor® AB RT Lack

Ideal coating for Biopor® AB earmolds on the basis of an addition-vulcanizing silicone. The Biopor® AB UV and RT Lack are free of solvents and odorless. Please consider the different curing systems of the Biopor® AB lacquers: Biopor® AB UV Lack cures with UV light; Biopor® AB RT Lack cures at room temperature.

Please note the different curing systems of Biopor® AB coatings: Biopor® AB UV coating is a UV light curing coating, Biopor® AB RT coating cures at room temperature.

- Free of solvents
- Odorless
- Dipping or brushing possible
- Skin-friendly and biocompatible
- Shiny, durable and easy to clean surface

50 ml	Double cartridge	Biopor® AB UV Lack	0831
		Biopor® AB RT Lack	0834

Don't forget! Don't forget: Biocompatibility can only be guaranteed if the recommended light devices are used for curing.
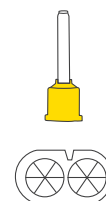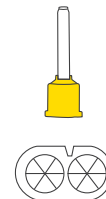
Biopor® AB Lacquers

Product	Curing with	Curing Time	Processability in mixed condition	For lacquering of
Biopor® AB UV Lack	UV light	Polylux: 10 min. PCU Evolution: 5 min.	90 min.	All Biopor® AB earmolds
Biopor® AB RT Lack	Room temperature	15 min.	2.5 min.	

Handcrafted manufacturing Lacquers

Biopor® UV-S

The optimized formulation of our antistatic Biopor® UV-S coating makes it easier to remove dust from coated silicone earmolds.

Additives that reduce the surface resistance of the coated earmold and thus its chargeability thereby minimize the accumulation of particles. In addition, the coating exhibits excellent mechanical properties such as high elongation and very good tear resistance.

- High-gloss, clear-transparent surface
- UV light curing
- Antistatic property

22 ml A component & 220 ml B component	4251

DiluSoft

Diluting agent for NanoScreen™ Soft.

250 ml	0804

Diluting agent

For Lack B eco and Lack B matt.

250 ml	0817

Desol

Diluting agent for Lack B and Glusil.

250 ml	086

Separator

Seperating agent for the manufacturing of Biopor® AB earmolds with the FotoCast® process.

50 ml	370

Biopor® Marker eco

Colored silicone material for the visibility of engravings on silicone earmolds.

50 ml	white		08135
	blue		08136
	red		08137
	black		08138
100 ml	white		08131
	blue		08132
	red		08133
	black		08134

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Handcrafted manufacturing Pressure polymerization devices

Polymax 1

Pressure polymerization unit with a temperature range up to 95 °C (203 °F) for one brass flask including clamp or four large rubber embedding molds (Ø 50 mm).

• Incl. pressure hose and water drain hose

230 V – 50/60 Hz	3429
115 V – 50/60 Hz	3429A

Flask holder

For Polymax 1 & 5.

1 piece	6681

Pressure polymerization with Polymax

Polymax 5

Pressure polymerization unit with a temperature range up to 95 °C (203 °F), with infinitely variable pressure from 3 to 6 bar. Thanks to the big volume of the pressure pot a high quantity of earmolds can be polymerized.

• Incl. pressure hose and water drain hose

230 V – 50/60 Hz	3423
115 V – 50/60 Hz	3423A

Pressure pot inner dimension:

Ø 220 mm
Height 174 mm

Pressure pot inner dimension:

Ø 160 mm
Height 110 mm

Technical data

Device	Power consumption	Pressure	Temperature	Weight	Dimensions (H x W x D)
Polymax 1	450 watts at 115/230 V	min./max.: 3/5 bar	up to 95 °C	10.2 kg	225 x 295 x 315 mm
Polymax 5	900 watts at 115/230 V	min./max.: 3/6 bar	up to 95 °C	16.9 kg	310 x 345 x 385 mm

Handcrafted manufacturing Fotoplast® & Lacquers

Processing Fotoplast®

Fotoplast® S hard

Transparent material for BTE earmolds with hard and highly break-resistant final consistency. Shell-forming. Free of MMA and cadmium. Due to individual coloring ideal for fashion earmolds.

250 g	clear transparent		43200
500 g	clear transparent		43300
1,0 kg	clear transparent		43400
250 g	reddish transparent		43201
500 g	reddish transparent		43301
1,0 kg	reddish transparent		43401

Tip from the pro

Fotoplast®
Optimum curing with the Dreve Polylux light curing devices.

Fotoplast® S IO

Hard material for thin-walled shells (adjustable by exposure time: 0.5–1.2 mm) especially for ITE hearing systems. Same wall thicknesses even for larger production quantities.

100 g	opaque H (yellowish)		4361
	red transparent		4822
	blue transparent		4824
500 g	opaque H (yellowish)		437
	clear transparent		4821
	red transparent		4823
	blue transparent		4825
	black transparent		4829
	opaque B (brownish)		4852
	opaque T (tan)		4854
	dark brown opaque 2		48551

Handcrafted manufacturing Fotoplast® & Lacquers

Thermosoft

Shell-forming material for the manufacturing of flexible ITE shells. We recommend to finish the surface with Thermosoft Lack.

500 g	clear transparent	46700

Fotoplast® Lack 3

For lacquering resp. "glazing" of all hard earmolds instead of mechanical polishing. Brilliant, tissue-friendly surface sealing. Biocompatible.

20 ml	brush included	496
50 ml	brush included	497
250 ml		498

Thermosoft Lack

Soft, biocompatible lacquer for the coating of Thermosoft earmolds or for an adhesive coating of Fotoplast® earmolds. Glysol or Oxystop Fluid is needed for curing without inhibition layer.

20 ml	brush included	4433
50 ml	brush included	4443
250 ml		4453

Fotoplast® Gel

Light curing repair resin in thixotrope-stable consistency. Packed in tubes or dosing syringes with 3 long, flexible dosing tips. Working on ventings and repairing is very comfortable with the flexible dosing syringes.

10 ml	Dosing syringe	clear transparent		44811
		opaque H (yellowish)		44821
		red transparent		44831
		blue transparent		44841
20 ml	Tube	clear transparent		44691
		opaque H (yellowish)		44651
		red transparent		44612
		blue transparent		44622
80 ml		clear transparent		44791

Handcrafted manufacturing Light Polymerization Devices

PCU LED 24

Light polymerization unit for curing coatings in a nitrogen atmosphere. Completely mirrored polymerization chamber with sufficient space to accommodate two turning motors. Exposure with high light intensity exclusively from the top. The administrator has the possibility to define ten programs and store them on the unit directly. For optimum process control, all curing parameters are logged and stored in a file.

PCU LED 24	4318

Polylux LED

The Polylux LED has an innovative integrated LED technology that is especially suited for polymerization of Fotoplast®-resins and Dreve lacquers. The LED light source is extremely durable and ensures a gentle polymerization of UV-material.

Polylux LED	408

Curing of a lacquered earmold with a Polylux LED

Technical data

Device	Voltage	Polymerization chamber (H x W x D)	Capacity	Weight	Dimensions (H x W x D)
PCU LED 24	100–240 V / 50–60 Hz, 150 W	65 x 150 x 150 mm	1–2 earmolds	9.3 kg	110 x 389 x 276 mm
Polylux LED	100–240 V 50–60 Hz, 0.9 A	Ø 95 mm x height 70 mm	1–2 earmolds	1.5 kg	205 x 205 x 255 mm

www.dreve.com

Handcrafted manufacturing Light Polymerization Devices

Stainless steel turning motor

Small battery-powered turning motor with stainless steel casing. Tool-free battery change.
Dimensions: H 50 x W 73 x D 33 mm.

Stainless steel turning motor	4999E

Turning motor

Exceptionally small battery-powered turning motor that fits almost everywhere. Suitable for Polylux 100 and Polylux 1000N.
Dimensions: H 50 x W 73 x D 33 mm.

Turning motor	4999

Polylux 100 Set with turning motor

The Polylux 100 is a basic light polymerization unit for repairings and lacquerings. The unit is equipped with a UVA light source and mirrored internal inner surfaces, which ensure safe polymerization.

- It is very space saving and easy to use
- With Fotoplast® Lack 3 for surface refinement and with Fotoplast® Gel for repairings
- By positioning the turning motor next to the Polylux 100, a uniform, fully cured surface is achieved.

Polylux 100 Set with turning motor	405
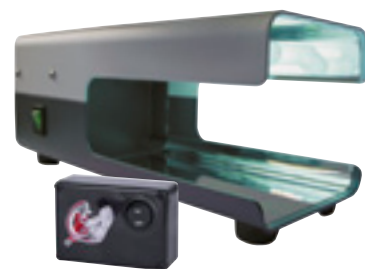
Polylux 500

This compact unit is made up of a robust, powder-coated metal housing and a large, practical lid. The polymerization chamber is completely mirrored so a turning motor is not necessary for curing of coatings. The polymerization chamber provides space for four negative molds for earmolds with clamping tweezers. Additional safety is provided by the timer, which can be used to limit the maximum polymerization time to 5 or 10 min. The Polylux 500 enables the polymerization of resins and lacquers from our Fotoplast® range.

Polylux 500	403

Technical data

Device	Power consumption	Light wave spectrum	Polymerization chamber (H x W x D)	Capacity	Weight	Dimensions (H x W x D)
Polylux 100	30 watts	315–400 nm	88 x 90 x 130 mm	1 earmold	1.7 kg	100 x 95 x 240 mm
Polylux 500	35 watts	315–400 nm	50 x 150 x 95 mm	4 earmold	3.2 kg	110 x 215 x 190 mm

Handcrafted manufacturing Light Polymerization Devices

UVA-light tubes

For the wavelength of 315–400 nm.

7 watts for Polylux Carousel III	**51519**
9 watts for Polylux 100 and 500	**51514**
18 watts for Polylux 1000/1000N	**51507**

Cromalux 75

Handy light curing device with a halogen bulb for the polymerization of vents made of light-curing resins and for partial light curing. Equipped with three switching levels: 20 sec., 40 sec. and continuous operation. Including focussing quartz glass as standard light conductor.

230 V/240 V – 50/60 Hz	**4885**
110 V – 50/60 Hz	**4885A**

Handcrafted manufacturing Accessories

Cleaning liquid

For cleaning earmolds before lacquering and removing the inhibition layer.

250 ml	471

Fotofix faceplate glue

Faceplate glue, helpful for manufacturing and repairing ITE systems. Color-matched to our popular Fotoplast® S IO shell materials, Fotofix prevents visible gaps between faceplate and shell.

20 ml	brush included	clear transparent	480

Glysol

Polymerization bath for curing Thermosoft varnish and filling the earmold cavities for shell creation.

250 ml	449
1 l	450

Fotoplast® Color Concentrate

For coloring Fotoplast® materials. Transparent to opaque depending on the amount of color used.

20 ml	red		47712
	blue		47722
	yellow		47732
	green		47742

Conical brass holder with clamp

For fixing the earmold during lacquering.

Conical brass holder with clamp	4273
Single clamps for conical brass holder, 10 pieces	4274

Cover plates

To prevent polymerization from above when manufacturing shells.

50 pieces	429

Labormat TH

Compact boiling-out unit for up to 6 flasks.
Also suitable for polymerization of earmolds up to 95 °C.

• Cleaning brush and cuvette support plate
  are included in delivery

Labormat TH	3603N

⊕ **Stainless steel housing** -

⊕ **Continously adjustable temperature
up to 95 °C (up to 203 °F)**

⊕ **Individual spraying-time adjustment
with 6-minute timer**

⊕ **Hand spray gun included**

⊕ **Practical hinged lid**

⊕ **Button for short term operation**

Rack for Labormat TH

Made of powder-coated steel, on castors, H 435 x W 590 x D 370 mm.

1 piece	3607

Flask basket for Labormat TH

Suitable for 3 flasks. 2 flask baskets fit into the Labormat TH.

1 piece	3604

Wax dipping unit

Melting and warming device for parafin dipping waxes. Suitable for a temperature range from approx. 10 °C (50 °F) to 100 °C (212 °F). The temperature control is infinitely variable. The container holds approx. 500 ml paraffin wax.

Wax dipping unit	7807

Technical data

Device	Power consumption	Voltage	Device	Filling	Weight	Dimensions (H x W x D)
Labormat TH	3.2 KW	230 V / 50 Hz	–	–	35 kg	500 x 570 x 400 mm
Wax dipping unit	100 watts	220–230 V / 50 Hz	Ø 100 mm, H 115 mm	max. 500 ml min. 300 ml	800 g	200 x 176 x 176 mm

Handcrafted manufacturing Mold manufacturing

Paraffin dipping wax

Forms an even insulating layer on the silicone impression. Processing temperature: 75 °C (167 °F).

1.0 kg	314

Thermometer

For temperature control.

1 piece	782

Electric wax knife (Set)

Efficient modelling kit for wax processing and for corrections of impressions with wax. Four different modelling syringes and one rack included.

1 set	7793

Wax knife

large	657
small	656

Dipping instrument metal

1 piece	395

Signing pencil

1 piece	672

Impression lifter metal

For removing impressions.

1 piece	650

Brush

For lacquering.

10 piece	673

Modelling wax

• Thickness of sheets: 1.25 mm

0.5 kg	rose		311

Adhesive wax

• Diameter: 75 mm

• Height: 8 mm

10 sheets		351

Dosper evo

Automatic mixing and dosing unit for A-silicones to produce molds. The device guarantees an efficient workflow. To fill the Dosper evo we recommend using the original transparent material reservoirs.

• incl. 5 Mixing tips and 2 connectors for material containers (for 1.7 l)

230 V / 50–60 Hz	5050
115 V / 50–60 Hz	5050A

⊕ **Flow control**

⊕ **Shortened and more secure working process**

⊕ **Reduction of shadows due to special light for the workstation**

⊕ **LED operating status indication**

Technical data

Device	Voltage	Power consumption	Weight	Dimensions (H x W x D)
Dosper evo	230 V / 50–60 Hz 115 V / 50–60 Hz	250 W	10 kg	319 x 225 x 405 mm

Production of a mold with the Dosper evo

Tip from the **pro**

Dosper evo
When connecting the original containers, pierce a small hole in the tops of the containers to compensate for the silicone that is draining off, in order to compensate for the volume.
... or simply use the material reservoirs!

Material reservoirs Dosper evo

Transparent containers made of stable plastic for A-silicones. Equipped with quick connectors for an easy installation. Filling volume: 1.7 l / reservoir

2 pieces	5022

Connecting tube Dosper evo

Suitable for the 5 l canisters, the red and black marking of the connecting hoses facilitate the assignment to the A+B components. Use with the rack for the Dosper evo.

1 set	49366

Rack Dosper evo

1 piece	49364

Cuff forms

Ø 26.0 mm	50 pieces	420
Ø 35.0 mm	25 pieces	417
Ø 40.0 mm	25 pieces	416
Ø 50.0 mm	25 pieces	411
Ø 26.0 mm	Base parts for cuff forms	425
Ø 35.0 mm	Base parts for cuff forms	422
Ø 40.0 mm	Base parts for cuff forms	421
Ø 50.0 mm	Base parts for cuff forms	426

Handcrafted manufacturing

Handcrafted manufacturing Duplicating silicones

Formasil 2K

Two-component silicone for the production of negativ molds, addition-vulcanizing, 1:1 mixing – also manually.

• Final hardness: 14 Shore A

8 x 50 ml double cartridge, rose		629
2 x 1 l (A+B), rose		631
2 x 5 l (A+B), rose		633

Klarsil H

Two-component silicone for clear molds, addition-vulcanizing, 1:1 mixing.

• Final hardness: 16 Shore A

8 x 50 ml double cartridge, transparent	603
2 x 1 l (A+B), transparent	601
2 x 5 l (A+B), transparent	607

Fotosil

Two-component silicone in gel consistency, addition-vulcanizing, 1:1 mixing.

• Final hardness: 4 Shore A
• Low tensile strength
• UV-permeable

8 x 50 ml double cartridge, transparent, slightly cloudy	612
2 x 1 l (A+B), transparent, slightly cloudy	610
2 x 5 l (A+B), transparent, slightly cloudy	611

Fotogel

Special hydrocolloid gel for photopolymerization.

6.0 kg, transparent, slightly cloudy	448

Fotogel Concentrate

Mixed with water in the mixing ratio 1:1 before use.

3.0 kg, transparent, slightly cloudy	4482

Gelon

Molding gel with a hard final consistency.

6.0 kg, green		347

Handcrafted manufacturing Duplicating silicones

Isolat

Smooth surfaces of the earmold blanks are achieved through improved insulation.

1.0 l	368
5.0 l	369
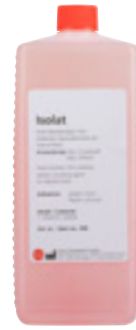
Brass flask

For 4–5 Biopor AB® earmolds.

1 piece	768
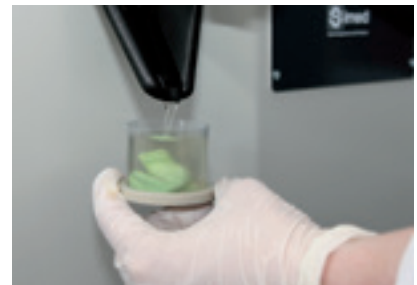
Mold production with the Dublimat Pro

Dublimat Pro

Device for the melting of our reusable gels Fotogel and Gelon for the production of molds.

230 V / 50 Hz	3831
115 V / 60 Hz	3831A

- Safe and controlled melting process
- Comfortable, easy and clear display operation
- Warming and re-cooling function guarantees economical material use (no material loss).
- Electronic timer enables a delayed start of the unit
- Activatable cooling fan accelerates the cooling down from melting to working temperature
- Special construction of the material outlet prevents gel from hardening in the tap

Technical data

Device	Total power	Heating power	Material capacity	Weight	Dimensions (H x W x D)
Dublimat Pro	400 watts	600 watts	6 kg melted hydrocolloide	21 kg	430 x 370 x 350 mm

Extras & Accessories

It may be quiet a little more

Each earmold is unique as a fingerprint and a small piece of art: So very often it is the tiny little things that count and determine the final quality of the product. That is why we dedicate ourselves also to the little things like accessory products – from drills to Mixing tips.

Tubing

Ø 1.5 x 2.5 mm

1 m	transparent	2041
10 m	transparent	20410
50 m	transparent	20450

Ø 2.0 x 3.0 mm

10 m	transparent	20010
50 m	transparent	20050
10 m	skin colored	0467110
50 m	skin colored	0467150
1 m	transparent, Stay Dry (PUR)	3021
10 m	transparent, Stay Dry (PUR)	30210
50 m	transparent, Stay Dry (PUR)	30250

Ø 2.0 x 4.0 mm

1 m	transparent	2031
10 m	transparent	20310
50 m	transparent	20350

Pre-bent tubing

Ø 1,5 x 2,5 mm

10 cm	10 pieces	transparent	04310
	100 pieces	transparent	043100

Ø 2.0 x 3.0 mm

10 cm	10 pieces	transparent	04110
	100 pieces	transparent	041100
	10 pieces	skin colored	0417110
	50 pieces	skin colored	0417150
	10 pieces	transparent, with anchor part	23410
	50 pieces	transparent, with anchor part	23450
	50 pieces	transparent, coated with Glusil	04250
	10 pieces	transparent, Stay Dry (PUR)	23510
	50 pieces	transparent, Stay Dry (PUR)	23550

Ø 2.0 x 4.0 mm

10 cm	10 pieces	transparent	04510
	50 pieces	transparent	04550

Extras & Accessories Tubing

Silicone tubes
Not deformable by heat and can only be bonded with silicone adhesive

Silicone tubing

Ø 2.0 x 3.0 mm

1 m	transparent	2021
10 m	transparent	20210

Ø 1.0 x 1.4 mm, for venting

1 m	transparent	1131
10 m	transparent	11310

Ø 1.2 x 2.0 mm, for venting

1 m	transparent	1141
10 m	transparent	11410

Arc tubing connection

With retentions.

10 pieces	239

Arc tubing connection

Made of nylon.

10 pieces	Ø 1.5 x 2.5 mm	23110
100 pieces	Ø 1.5 x 2.5 mm	231100
10 pieces	Ø 2.0 x 3.0 mm	22910
100 pieces	Ø 2.0 x 3.0 mm	229100

Small nylon tubing

Deformable by heat.

1 m	Ø 1.5 x 2.5 mm	2301
10 m	Ø 1.5 x 2.5 mm	23010
1 m	Ø 2.0 x 3.0 mm	2331
10 m	Ø 2.0 x 3.0 mm	23310

Tubing end piece

1 piece	255

Metal expanding coupling

10 pieces	23810
50 pieces	23850

Anchor part connection

10 pieces	23210
50 pieces	23250

Venting wire

With tubing cover.

10 pieces	Ø 0.8 mm	2152
	Ø 1.0 mm	2153
	Ø 1.2 mm	2155
	Ø 1.5 mm	2154

2152

Receiver coupling

Made of plastic.

| 5 pieces | 208 |

208

Mold ring holder

To fix mold rings resp. connecting clamps directly in the still soft Biopor® AB material.

| 1 piece | 219 |

219

Metal mold ring

For hard earmolds.

| 10 pieces, gilded | 22010 |
| 100 pieces, gilded | 220100 |

22010

Mold ring with retentions

For Biopor® AB earmolds

| 10 pieces | 22210 |

22210

Ventilette Passat Type 15

For bending of tubes. With beaker and point heating nozzle.

| Ventilette Passat Type 15 | 868 |

Technical data

Device	Voltage	Power consumption	Temperature range	Functional display	Dimensions (H x W x D)
Ventilette Passat Typ 15	240 V	250 watts	max. 180 °C / max. 250 °C with mounted nozzle	LED in the switch	250 x 100 x 160 mm

Extras & Accessories Laboratory Equipment & Devices

931299   931298   931301   931300

Cerumen protection inserts

For cerumen protection HF 3 or HF 4.

HF 3 black

red	20 dispensers à 16 filters incl. changing tool	931299
	100 pieces	73523
blue	20 dispensers à 16 filters incl. changing tool	931298
	100 pieces	73527
red/blue	10 dispensers red, 10 dispensers blue à 16 filters incl. changing tool	931302

HF 4 black

red	20 dispensers à 16 filters incl. changing tool	931301
	100 pieces	73540
blue	20 dispensers à 16 filters incl. changing tool	931300
	100 pieces	73544
red/blue	10 dispensers red, 10 dispensers blue à 16 filters incl. changing tool	931295
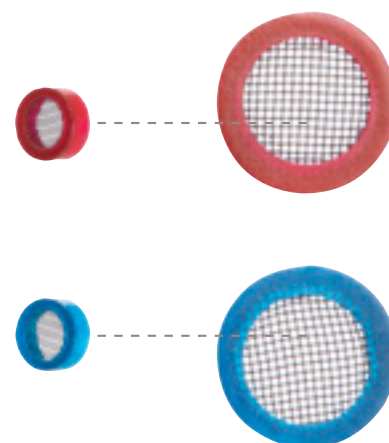
Cerumen protection capsules

For cerumen protection HF 3, system diameter 3.5 mm or HF 4, system diameter 2.9 mm.

2.0 mm drilling, beige

HF 3	10 pieces	60415
	100 pieces	60416
HF 4	10 pieces	97141
	100 pieces	97142

1.4 mm drilling, beige

HF 3	10 pieces	41835
	100 pieces	41840
HF 4	10 pieces	97144
	100 pieces	97145

Tool

For exchanging the cerumen protection inserts HF 3, system diameter 3.5 mm or HF 4, system diameter 2.9 mm.

HF3	1 piece	024
HF4	1 piece	0241

Extras & Accessories

57

Glusil

Adhesive primer.

20 ml	076

PVC glue

Glue for joining PVC parts.

20 ml	brush included	306

Superglue

10 g, thin fluid	077
20 g, viscous	078

Rotary cap

For precise dosing.

Outlet: 2 mm	0774

Dosing tip

For superglue.

Ø 0.5 mm, 20 mm	0776
Ø 1.0 mm, 45 mm	0775
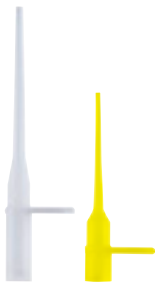
Primer for superglue

15 ml	0771

SK 87 Silicone glue

18 ml (20 g)	087

Extras & Accessories Laboratory Equipment & Devices

Stetoclip

Stetoclip with coupling	552
Stetoclip with ITE-adapter and interception tube	553

552

553

ITE adapter

With tubing for stetoclip.

1 piece	5521

PVC plugs

For universal earmolds for BTE hearing systems.

small	2571
medium	2572
large	2573

2571   2572   2573

Demo ears

Mockup made of skin-colored or clear transparent flexible silicone. Ideal for demonstration purposes.

Demo ear	skin colored left	093L
	skin colored right	093R
	clear left	008L
	clear right	008R

093L   093R   008L   008R

Soldering station ERSA RDS 80

Power soldering station with microprocessor regulation. The unit is controlled by a processor and offers in addition to a direct selection of 3 programmable temperatures other useful features like standby and auto-power-off function as well as a big and comfortable to read LC display. The powerful PTC heating element of the solder piston RT 80 (up to 290 W heating power) guarantees a quick reaching of the temperature set with corresponding power reserve.

- Soldering tip type: permanent soldering tip
- Soldering tip width: 0.4 mm

Soldering station ERSA RDS 80	1810

Technical data

Device	Voltage	Secondary voltage	Power	Temperature	Heating time
Soldering station ERSA RDS 80	230 V	24 V	800 watts	150–450 °C (302–842 °F)	40 sec.

Soldering wire

Ø 0.5 mm

100 g	182

Soldering ex

- Length: 1.6 m
- Width: 2.5 mm

1 piece	183

Magnifier lamp

Ideal for control and soldering works. The magnifier lamp is equipped with a 3-diopter optics lens.

Magnifier lamp	695

Slotted screwdriver set

6 pieces, measurements: 1.0 / 1.4 / 2.0 / 2.4 / 3.0 / 3.8 mm

1 set	184

Extras & Accessories Laboratory Equipment & Devices

Work base

- Dimensions: approx. 40 x 25 cm
- Thickness: 2–3 mm

1 piece	186

Protective goggles Uvex Skyper

Modern and light protective goggles with an excellent field of vision and high wearing comfort. Earpieces can individually be adjusted to the head, inclination of glasses can be regulated. Protects additionally from UV-light.

- DIN EN 166 + DIN EN 170

1 piece	379

Mouth and nose protection

Protects from dust, for single use.

50 pieces	383

Half mask with exhalation filter

Tested and approved according to EN 149:2001+A1:2009. The mask meets the requirements of the additional dolomite dust test.

20 pieces	1938

Nitrile disposable gloves

100 pieces, blue	S (7)	1399S
	M (8)	1399M
	L (9)	1399L
	XL (10)	1399XL

KCL Dermatril P 743 gloves

Chemically and mechanically resistant disposable protective glove with a layer thickness of 0.2 mm. Complies with the requirements of EN 374.

50 pieces	S (7)	1406
	M (8)	14068
	L (9)	14069
	XL (10)	140610

KaVo SMARTair mobile evo

Offers perfect protection against fine dust. Dimensions: H 43 x W 42 x D 27 mm

KaVo SMARTair mobile evo	86361

⊕ **Automatic suction power adjustment**

⊕ **3-filter System: combined use of filter bag, micro-filter and carbon filter possible**

⊕ **Super-silent** -

⊕ **BGIA-certification application category C according to BGIA: Applicable for the separation of dust with MAK values and carcinogenic substances (§35 Ordinance on Hazardous Substances)**

⊕ **Including 2 filter bags, suction tube and a micro-filter**

8616   8617

Suction piece

Front table	8616
Table top	8617
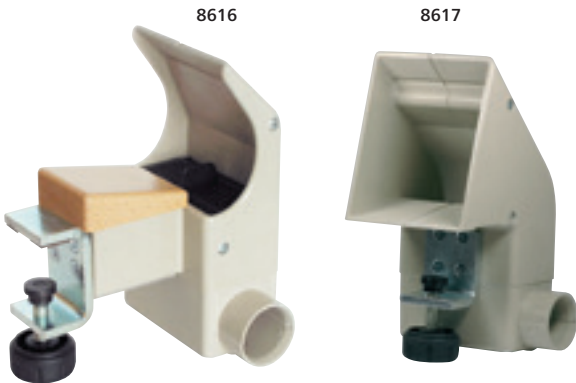
Protective pane and holder

Dimensions: approx. 22 x 22 cm

1 set	8618
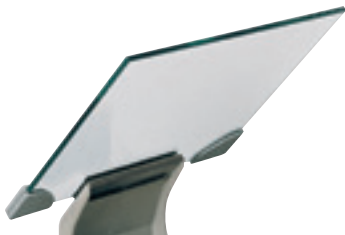
Filter bag

5 pieces	8610

8610

Adsorption filter

1 piece	8619

8619

Micro filter

1 piece	8637

8637

160   161   662   163
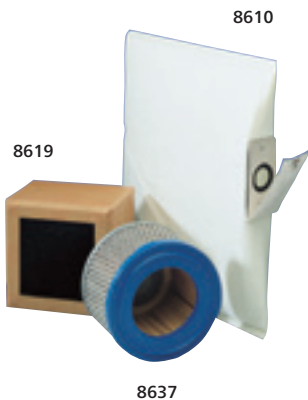
Tweezers

Curved	160
Bayonet shape	161
Clamp tweezers	662
Straight tweezers	163
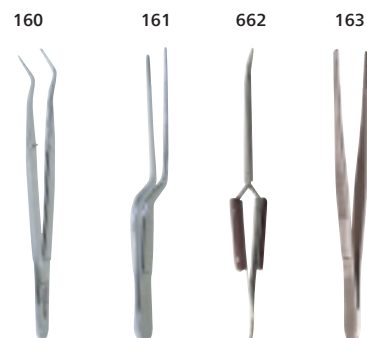
Side cutter

1 piece	185

Scalpel holder

With pointed shape.

1 piece	676

Blades for scalpel holder

12 pieces	6754

Tubing expander

1 piece	664

Scissors

1 piece	392

Tubing loop

1 piece	118

Extras & Accessories

Milling cutter

Practical set with motor handpiece, equipped with 24 different rotating tools as well as one power supply unit.

- High exactitude of cyclic running
- Quick exchange of tools
- Light, slim motor handpiece
- Easy to use due to direct control in the motor handpiece
- Spiral cable of 150 cm provides mobility
- Infinitely variable for speeds from 5,000 to 20,000 rpm.

Milling cutter	642

Zubler VARIOstar T50

The low-cost all-rounder for the modern laboratory. The T 50 benchtop unit features new brushless drive technology.

- Counterclockwise/clockwise rotation up to 50,000 rpm.
- 100 % compatible with any extraction system
- Fatigue-free work, handpiece fits ergonomically in the hand
- Collet chuck: Ø 2.35 mm

Zubler VARIOstar T50	6603

Technical data

Device	Voltage	Secondary voltage / Secondary current	Power consumption	Performance	High speed voltage
Milling cutter	220–240 V / 50 Hz	12 V / 1.0 A	—	12 VA	—
Zubler VARIOstar T50	230 V / 50–60 Hz	—	270 watts	—	1000–50000 rpm

Small grinding motor

With vertical faceplate, especially for grinding hollow ITE shells.

- Power consumption: 140 watts

230 V / 50 Hz	8125
115 V / 50 Hz	8125A

Grinding wheel sheets

- Grain: 240

5 pieces + 1 storage sheet	8126

Extras & Accessories Laboratory Equipment & Devices

KaVo laboratory drives

The high-quality KaVo laboratory drives operate extremely quiet and run smoothly. The pleasant and easy handling ensures a relaxed operation and concentrated work.

- Collets for shaft: 2.35 mm (on request: 3.0 mm; 3.175 mm)
- Radial run-out: < 0.02 mm
- Tool exchange: Twist-rapid tool fixture
- Fan: Closed system
- Drive system: DC-motor without commutator
- Cable length: 2 m
- Base: Single base
- Voltage: 110/120/230 V – 50/60 Hz

⊕ **The single-shaft system allows for basic maintenance in the laboratory**

⊕ **Less wear parts due to single-shaft system**

⊕ **Ergonomic handpiece shape**

⊕ **The ball bearing of the handpiece can be quickly exchanged by laboratory technician**

⊕ **Low weight and small dimensions**

⊕ **Extra slim and light cable offers additional mobility**

KaVo K Power Grip tool holder

| with foot control model | 6441 |
| with table top model and foot switch | 6442 |

KaVo K5plus tool holder

| with foot control model | 6421 |
| with table top model and foot switch | 6422 |

Technical data

Device	Speed range	Torque	Weight / with connecting cable	Length
KaVo K Power Grip tool holder	1,000–50,000 min^{-1} / max	max. 7.0 Ncm	approx. 250 g / approx. 355 g	165 mm
KaVo K5plus tool holder	1,000–35,000 min^{-1} / max	max. 4.5 Ncm	approx. 216 g / approx. 319 g	149 mm

Extras & Accessories

Instructions for use and safety recommendations for rotary instruments

Application

- Make sure that only technically perfect tool holders are used.

- Chuck the instruments as deeply as possible.

- The instrument must be rotating before attaching to the object. Please also pay attention to the concentricity of the instrument.

- Tilting or levering the instruments leads to increased risk of breakage and should therefore be avoided at all costs.

- Please observe the speed recommendations. Failure to observe the maximum permissible speeds leads to an increased security risk.

- Please wear protective goggles as a basic principle.

- Improper use leads to an increased risk and inferior results. Therefore only use the instruments for the intended purpose.

- Improper use may result in bad work results.

- Bent or not round running instruments as well as instruments which are damaged or fully worn must be eliminated immediately.

- Excessive contact forces must be avoided.

- Put down used instruments but do not throw them off.

Recommended speeds

Please consider the indicated recommended speeds!

- Observe the instrument-specific speed recommendations to achieve perfect results.

- When exceeding the maximum permissible speeds, long and pointed instruments are subject to resonant vibration in the tip area which may lead to the destruction of the instrument.

- In the case of instruments where the working part diameter is larger than the shank, severe centrifugal forces may occur when speed is too high. This can lead to bending of the shank and/ or breakage of the instrument. For this reason, the maximum permissible speed must not be exceeded.

- The maximum permissible and optimum speeds are indicated below the respective article description. In general, the larger the working part, the lower the speed!

Contact forces

- Excessive contact forces can damage the working part of the instrument with cutting edge chipping in cutting instruments. At the same time, high heat occurs.

- Increased contact pressure may lead to stripping of the grit on abrasive instruments or to clogging of the instruments and increased heat generation.

Polishers and brushes

- Apply low contact pressure in order to minimize heat generation.

- Apply a speed of 5,000–6,000 rpm only in order to increase service life.

- Polishing should always be carried out in circular motions.

- The usage of protective goggles as well as a suction device is recommended.

Personal protective equipment

- If persons are allergic against swarf frequent, longer, intensive skin contact should be avoided; if necessary personal protective equipment should be worn.

- Care and clean your skin always.

- Do not eat, drink, smoke or sniff while working.

- Breathing protection: To reduce swarf use a suction device.

- Hand protection: Use protective gloves made of plastic or synthetic vulcanized rubber in case you have intensive skin contact and if safety instructions allow. Otherwise use special skin protection creams.

- Eye protection: Tight-fitting protective goggle.

- Skin protection: Clean and care your skin after work.

Working element

Whole instrument

Shank
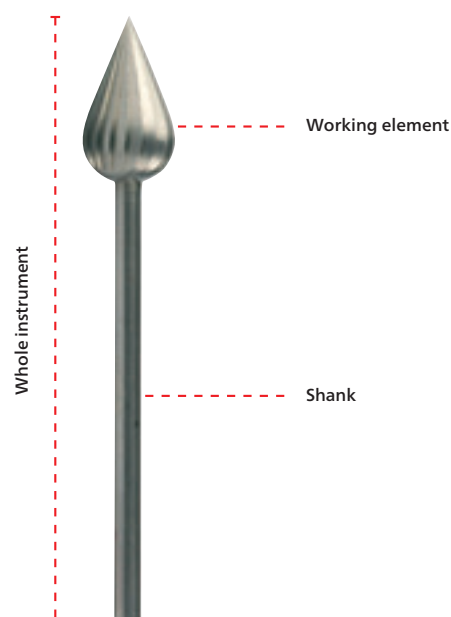
Drills and cutters for hard materials

Ball burr

1 piece	Ø 1.2 mm	max. rotation speed: min⁻¹ 40,000	**900**
	Ø 1.6 mm	max. rotation speed: min⁻¹ 40,000	**901**
	Ø 1.8 mm	max. rotation speed: min⁻¹ 40,000	**902**
	Ø 2.1 mm	max. rotation speed: min⁻¹ 40,000	**903**
	Ø 2.7 mm	max. rotation speed: min⁻¹ 30,000	**904**
	Ø 3.1 mm	max. rotation speed: min⁻¹ 25,000	**905**
5 pieces	Ø 3.5 mm	max. rotation speed: min⁻¹ 25,000	**906**

900   901   902

903   904   905

Oval cutter

Ø 5.0 mm	max. rotation speed: min⁻¹ 30,000	**911**
Ø 8.0 mm	max. rotation speed: min⁻¹ 30,000	**912**

906   911   912

Cutters

Globular-shaped

Ø 8.0 mm	max. rotation speed: min⁻¹ 20,000	**913**

Conically-shaped

Ø 4.0 mm	max. rotation speed: min⁻¹ 30,000	**914**
Ø 4.5 mm	lank, max. rotation speed: min⁻¹ 30,000	**915**
Ø 5.0 mm	max. rotation speed: min⁻¹ 30,000	**916**

913   914   915

Pear-shaped

Ø 5.0 mm	max. rotation speed: min⁻¹ 30,000	**917**

Pointed cone-shaped

Ø 6.0 mm	max. rotation speed: min⁻¹ 20,000	**918**
Ø 8.0 mm	max. rotation speed: min⁻¹ 20,000	**919**

916   917   918

Cylindric

Ø 6.0 mm	max. rotation speed: min⁻¹ 20,000	**920**

Oval

Ø 7.0 mm	max. rotation speed: min⁻¹ 20,000	**921**

919   920   921

Drills and cutters for soft materials

Ball burr

Ø 1.6 mm	max. rotation speed: min⁻¹ 40,000	941
Ø 2.1 mm	max. rotation speed: min⁻¹ 40,000	942
Ø 2.3 mm	max. rotation speed: min⁻¹ 40,000	943
Ø 3.1 mm	max. rotation speed: min⁻¹ 30,000	944

Cutters

Globular-shaped

Ø 5.0 mm	fine, max. rotation speed: min⁻¹ 20,000	9515

Oval

Ø 5.0 mm	max. rotation speed: min⁻¹ 30,000	952
Ø 7.0 mm	max. rotation speed: min⁻¹ 30,000	953
Ø 8.0 mm	max. rotation speed: min⁻¹ 30,000	954

Cylindric

Ø 4.0 mm	max. rotation speed: min⁻¹ 40,000	955
Ø 5.0 mm	max. rotation speed: min⁻¹ 30,000	956
Ø 7.0 mm	max. rotation speed: min⁻¹ 20,000	957

Conically-shaped

Ø 6.0 mm	fine, max. rotation speed: min⁻¹ 20,000	958

Grinding cap holder

Ø 4.95 mm	999

Grinding caps

Per 5 pieces.

Ø 5.0 mm	Grain: 150, max. rotation speed: min⁻¹ 15,000	9910
Ø 5.0 mm	Grain: 80, max. rotation speed: min⁻¹ 15,000	9911

Swam stone

Mounted, pear-shaped.

Ø 6.0 mm	max. rotation speed: min⁻¹ 12,000	9912

941 942 943

944 9515 952

953 954 955

956 957 958

999

9910 9911

9912

Extras & Accessories Rotary Instruments

Speed Trimmer

For cutting resins.

max. rotation speed: min^{-1} 50,000	**961**

Cutter

For cutting resins.

max. rotation speed: min^{-1} 50,000	**972**

Sandpaper holder

max. rotation speed: min^{-1} 7,000	**962**

961   972   962

Twist drill

Ø 0.6 mm	max. rotation speed: min^{-1} 30,000	**966**
Ø 0.8 mm	max. rotation speed: min^{-1} 30,000	**967**
Ø 1.0 mm	max. rotation speed: min^{-1} 30,000	**968**
Ø 1.2 mm	max. rotation speed: min^{-1} 30,000	**969**
Ø 1.4 mm	max. rotation speed: min^{-1} 30,000	**970**
Ø 1.6 mm	max. rotation speed: min^{-1} 30,000	**971**
Ø 2.0 mm	max. rotation speed: min^{-1} 30,000	**97420**
Ø 2.5 mm	max. rotation speed: min^{-1} 30,000	**97425**
Ø 2.9 mm	max. rotation speed: min^{-1} 30,000	**97429**

966   967   968

969   970   971   97420   97425   97429

Drill short

Ø 2.35 mm	max. rotation speed: min^{-1} 30,000	**973**

Drill large

Ø 2.85 mm	max. rotation speed: min^{-1} 30,000	**974**

973   974   981

Hard metal cutter

for reception of mold rings.

Ø 6.0 mm	max. rotation speed: min^{-1} 35,000	**981**

Rubber polisher

Ø 12.5 mm	max. rotation speed: min^{-1} 10,000, grey	**994**
Ø 5.0 mm	max. rotation speed: min^{-1} 20,000, green	**995**
Ø 10.0 mm	max. rotation speed: min^{-1} 10,000, grey	**9971**
Ø 6.0 mm	max. rotation speed: min^{-1} 20,000, grey	**997**

994   995

Grinding stone

Ø 5.0 mm	max. rotation speed: min^{-1} 40,000, grey green	**998**

9971   997   998

Extras & Accessories

Wheel brush

max. rotation speed: min^{-1} 10,000–15,000	988

Polishing buff

max. rotation speed: min^{-1} 10,000	989

988   989

Finishing stone for resins

max. rotation speed: min^{-1} 15,000, blue	991

Mandrell

Ø 5.0 mm	max. rotation speed: min^{-1} 15,000	987

991   987

Soft grinding wheel with mandrel

1 piece	max. rotation speed: min^{-1} 10,000	992

Soft grinding wheel replacements

10 pieces	993

992

Soft grinding wheel resistant with mandrel

1 piece	max. rotation speed: min^{-1} 10,000	932

Soft grinding wheel resistant
Replacements.

10 piece	933

932

Magnetic burr holder

1 piece	732

Drill stand with cover
Without content.

1 piece	730

Corundum

50 m	Grain: 120 (coarse)	**3431**
50 m	Grain: 220 (fine)	**3432**

Sandpaper

50 m	Grain: 120 (coarse)	**3441**
50 m	Grain: 220 (fine)	**3442**

Manual Injectors

The manual Injectors enable a clean and safe application of impression materials with stable pressure. Less effort is necessary for dispensing the material.

Injector DS 50 for 50 ml double cartridges	**1502**
Injector for 48 ml and 50 ml double cartridges	**15022**

1502

15022

Spacer

To reduce the grip distance, for easier dispensing of impression material. For Injector and Injector DS 50.

1 piece	**1507**

Injector control A

The Injector control A is very comfortable and increases movability during impression taking. For all Otoform® ear impression materials.

- Automatic dosage and mixing of impression material
- Reduces shaking and moving thanks to the electromotive drive
- Even and adjustable pressure on the ear tissue, thus a fitting of the earmold resp. ITE system is controlled in a better way
- Continuously variable speed (0.35–3.5 r/min)
- Quick exchange of cartridges
- For all 48 ml and S 50 double cartridges
- Integrated overload protection

220–230 V / 50–60 Hz	**15151**
115 V / 60 Hz, US plug	**15151A**

Table rack

for Injector control A.

1 piece	**1512**

Technical data

Device	Power supply	Weight	Dimensions (H x W x D)
Injector control A	DC-motor: 4 watts / 12 Volt	~600 g with integrated rechargeable battery	200 x 220 x 65 mm

Injector pneumatic

Offers a clean and safe as well as simple application of Biopor® AB materials. For 50 ml double cartridges. Compressed air supply is necessary.

- Weight: 730 g
- Maximum operating pressure: 8 bar
- Compressive force: 1.3 kN

Injector pneumatic	**1502P**

Extras & Accessories Mixing tips

Canula tips

Recommended for bubble-free injection into areas of negative molds which are difficult to reach. Especially useful in the Biopor® AB technique.

Not suitable for use with Biopor® AB Xtreme and Biopor® AB 60 Shore A.

50 pieces	323

Mixing tip

Ø 6.3 mm

• For 400 ml double cartridges

Biopor® AB 400

100 pieces	3214

T-Mixing tips

Ø 4.2 mm

• For S 50 double cartridges

Biopor® AB RT Lack
Biopor® AB UV Lack
Otoform® A flex
Otoform® A soft
Otoform® A softX
Otoform® A softX with color indicator
Otoform® Xpand

40 pieces	3246
100 pieces	3247

Ø 5.4 mm

• For S 50 double cartridges

Biopor® AB, 25 Shore A
Biopor® AB, 40 Shore A
Biopor® AB fluorescent
Biopor® AB light
Biopor® AB monitoring
Dosper evo
Formasil 2K
Fotosil
Klarsil H
Otoform® A soft
Otoform® A softX
Otoform® A softX with color indicator
Otoform® A flex
Otoform® Xpand

40 pieces	3244
100 pieces	3245

Ø 6.5 mm

• For S 50 double cartridges

Biopor® AB, 60 Shore A
Biopor® AB Xtreme, 25 Shore A
Biopor® AB Xtreme, 40 Shore A
Biopor® AB Xtreme, 60 Shore A
Otoform® Ak
Otopren

40 pieces	3241
100 pieces	3242

Extras & Accessories

Index