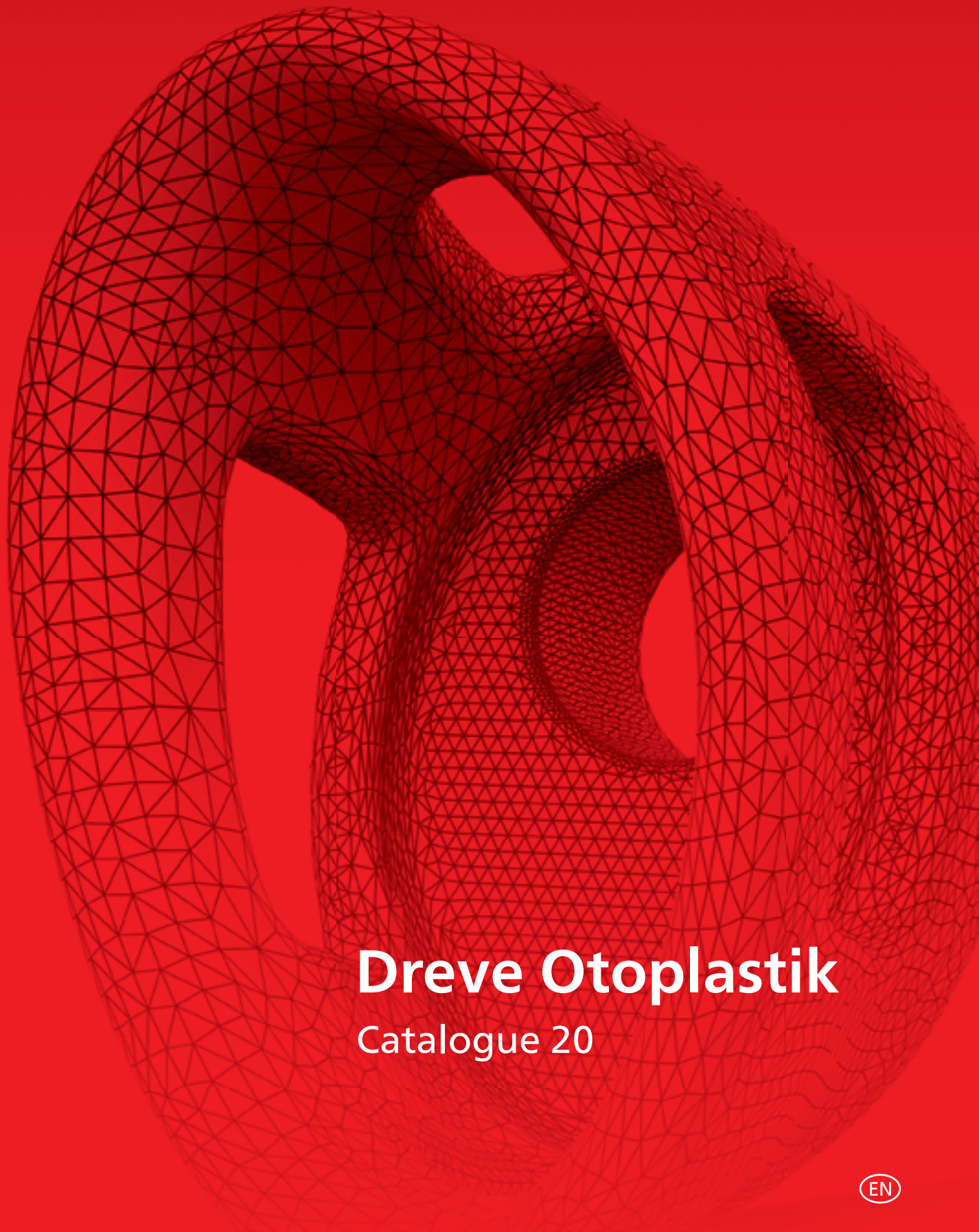
Dreve



Dreve Otoplastik

Catalogue 20

EN


Dreve
70 Jahre
Innovation
aus Tradition

70 years Innovation aus Tradition.

An anniversary is always a popular opportunity to look back and take stock: since the company was founded as a small dental laboratory, Dreve has evolved into an internationally operating innovative self-producing manufacturer of high-quality medical and laboratory products.

We combine many years of practical experience with the latest scientific research and technical know-how. The result: more than 80 patents and trade relations in over 100 countries. When having produced one of the first individual earmolds 70 years ago, it was a breakthrough compared to standard fitting. Since then, we have been innovation drivers in the industry and are constantly setting new standards. From the production of the first 3D printed earmold to the complete digitalization of the earmold production process, we remain true to our company motto “Innovation aus Tradition”: curiosity and innovativeness, combined with the passion for our products and closeness to the industry, to our customers and our employees.

I would like to thank you for your loyalty and trust over the past 70 years in the name of the family and all our employees.

Very truly yours

Dr. med. dent. Volker Dreve

Innovative Products.

Hygiene

Alcohol-free. Clean. Gentle on materials.

Our well-established antimicrobial care range OtoVita® has been specially developed for the thorough cleaning and drying of hearing systems, earmolds and accessories. OtoVita® is alcohol-free and gentle on materials.

The OtoVita® Professional product line is designed specifically for the use in specialist shops and acoustic labs and is suitable for disinfecting work surfaces, instruments and hands.

Ear impression & Direct fitting

Precise and reliable.

With our Otoform® impression materials, you reliably achieve accurate and detailed impressions of the ear in just 180 seconds.

Otoform® products are manufactured exclusively from ISO 9001 and ISO 13485 approved silicone polymers to fabricate medical devices and have been successfully tested for biocompatibility.

Our products for the direct fitting of BTE and splashwater protection earmolds are ideal for on-site fitting.

Digital manufacturing

The new state of the art.

With the introduction of CAD/CAM technologies and the fundamental technological change in the earmold industry, Dreve became the first laboratory in 2004 to manufacture a digitally produced earmold using the FotoTec® stereolithography process.

You can rely on our high-quality materials and validated processes for the digital manufacturing of hearing aid earmolds and shells.

Handcrafted manufacturing

System-made earmold production.

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.

Extras & Accessories

The little things.

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 with the aim of providing you the best product.

NEW: Our experts offer application tips

OtoVita®

Alcohol-free. Clean. Gentle on materials.

The antimicrobial care range OtoVita® exists for more than 10 years already. Customers appreciate the innovative and valuable characteristics of our care products. OtoVita® stands for an ideal care for high-quality hearing systems.

Our OtoVita® Professional products are specifically designed for the use in laboratories and support you in your 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. Please also recommend the practical packs of cleaning tablets and drying pellets for one month to your customers.

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

1 set	0721

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

For cleaning of micro tubing of open BTE hearing systems.

30 pieces	0684

OtoVita® Tubing Floss for tubing

For cleaning of standard tubing (2 x 3 mm) of SE earmolds.

30 pieces	0685

OtoVita® Cleaning Bowl

For cleaning of earmolds with the OtoVita® cleaning tablet.

1 piece	0541

OtoVita® Drying Tub

For drying hearing systems with the OtoVita® drying pellet.

1 piece	0641

OtoVita® Drying Pellets

For drying earmolds and hearing systems. Color change from orange to bright yellowish indicates when it is time to use a new one.

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® dry uv

OtoVita® dry uv offers optimum care. Gentle drying extends hearing system lifetime.

OtoVita® dry uv	0665

- Perfect drying by convective flow
- Hygienic cleansing by UV-C light
- Automatic room- and temperature modulation
- Easy handling with sensor button
- 2 years warranty
- Automatic turn off

dry-cap uv 2

Electronic drying cap for all rechargeable hearing systems.

- 3in1: Simultaneous drying, cleaning and charging possible
- Includes UV-C light for perfect hygiene

dry-cap uv2	0675

Technical data

Device	Input	Output	Weight	Device dimensions (H x W x D)
OtoVita® dry uv	100–240 V, AC 50/60 Hz	Adapter EU	~200 g	35 x 90 x 110 mm
dry-cap uv 2	100-240 V, AC 50/60 Hz	5 V, 2 A, DC	~315 g	120 x 120 x 120 mm

Hygiene OtoVita®

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, helps to get used to the earmold and provides additional sealing. Otoferm® Creme is tissue-friendly and is not absorbed by the skin.

5 g	056

056


067


063

073


071

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

OtoVita® Hearing Aid Tool Set

Each set includes two of the wax loops and cleaning brushes to remove cerumen from the earmolds and hearing systems.

Single set	0901
Display, 10 sets in a box	0911
Rack, 50 sets	091

OtoVita® Promotion Box

Freshness for sales: Promotion Box as counter display with 120 OtoVita® cleaning tissues, single-packed to use as give away.

1 Box	06831

Hygiene OtoVita® Professional

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.

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

1 l	8270

OtoVita® Professional Disinfection Spray

For disinfection of ear impressions and hygiene worktops.

750 ml	8272

- For fast disinfection in everyday work
- Comprehensive protection against most common bacteria and fungi
- Prevents from dry hands
- Maintains the natural smoothness of the skin

Hygiene Devices

Ultrasonic cleaning unit

Low-priced ultrasonic unit with basket made of stainless steel and perforated insert made of plastic for occasional use. The integrated electronic timer can be adjusted to five different operating times.

Ultrasonic cleaning unit	823

Bandelin RK 31

High-quality ultrasonic cleaning unit for daily usage. The robust, compact and easy to operate ultrasonic cleaning unit is equipped with a timer for 1–15 minutes or permanent operation.

230 V / 50 Hz	821
115 V / 60 Hz	821A

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 115 V / 60 Hz	120 watts	35 kHz	0.8 l	60 x 190 x 85 mm

Lid made of stainless steel

1 piece	8212

8212

Insert basket made of stainless steel

Dimensions: H 52 x W 175 x D 70 mm.

1 piece	8211

8211

Lid with hole made of stainless steel

For 2 beaker.

1 piece	8213

8213

8214

Beaker

600 ml, Ø 85 mm.

1 piece	8214

Insert basket made of plastic

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

1 piece	830

830

Ear impression & Direct fitting

Precise and reliable.

With our Otoform® impression materials, you reliably achieve accurate and detailed impressions of the ear in just 180 seconds.

Otoform® products are manufactured exclusively from ISO 9001 and ISO 13485 approved silicone polymers to fabricate medical devices and have been successfully tested for biocompatibility.

Our products for the direct fitting of BTE and splashwater protection earmolds are ideal for on-site fitting.

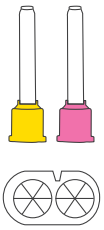
Ear impression & Direct fitting Otoform®

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

soft eXpansion in the ear

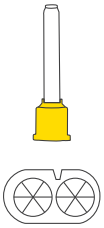


Impression taking with Otoform® Xpand in the Injector control A

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.

8 x 50 ml	Double cartridge		2956



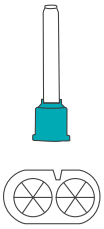
Did you know?

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 48 ml	Double cartridge		320
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. After setting, the impression can be easily removed from the ear and has a high tensile strength. Particularly recommended for CIC impressions, very narrow auditory canals or for people sensitive to pain.

8 x 48 ml	Double cartridge		293
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® 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

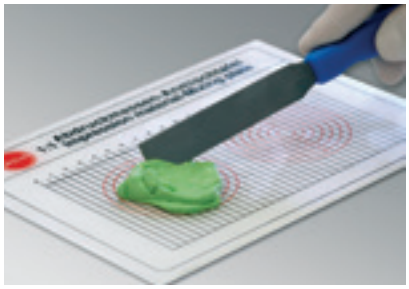
The pink impression material is a soft, smooth-running and non-sticky mousse. It is tangibly elastic, comfortable to process as well as easy to fit. Due to its flowability it is perfect for deep ear impressions (CIC).

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.

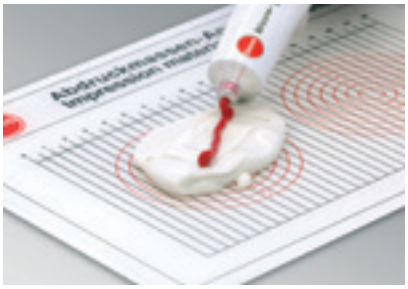
2 x 10 ml	Singles (A+B), Otoform® Ak X	45430
	Singles (A+B), Otoform® Ak	45420

Otoform® Ak soft

Otoform® Ak soft is very smooth to take ideal impressions for the fitting of CIC systems. Thanks to the low final hardness of 25 Shore A, impressions are removed from the ear easily and comfortably.

2 x 272 ml	Tubs (A+B), incl. dosing spoons	444
2 x 544 ml	Tubs (A+B), incl. dosing spoons	445
2 x 3.4 l	Buckets A+B	443
2 x 10.2 l	Buckets A+B	463

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 pastes

The hardener pastes are supplied in a quantity corresponding to the impression material Otoform® Kc, but are also available separately.

5 ml	Tube		52112
20 ml	Tube		52212
96 ml	Tube		52412

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® Ak soft	Soft, flexible	pressure-forming	25 ± 2 Shore A	BTE, ITE, CIC
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 package with a nice and waterproof box. Two earplugs can be stored in the swim box. For the 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 48 ml	Double cartridge, reddish transparent		17501



Application of an injector with double cartridge

Manual Injectors

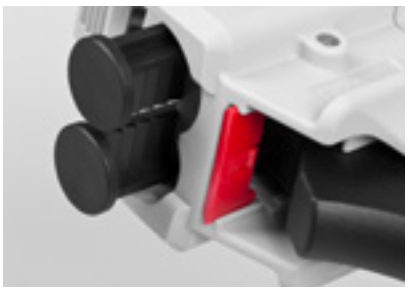
The manual Injectors enable a clean and safe application of impression materials with stable pressure. Less effort is necessary for dispensing the material. The Injector for 48 ml double cartridges is also suitable for the silicone materials Biopor® AB.

Injector for 48 ml double cartridges	150
Injector DS 50 for 50 ml double cartridges	1502
Injector DS 50 for 50 ml double cartridges	15021

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. 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

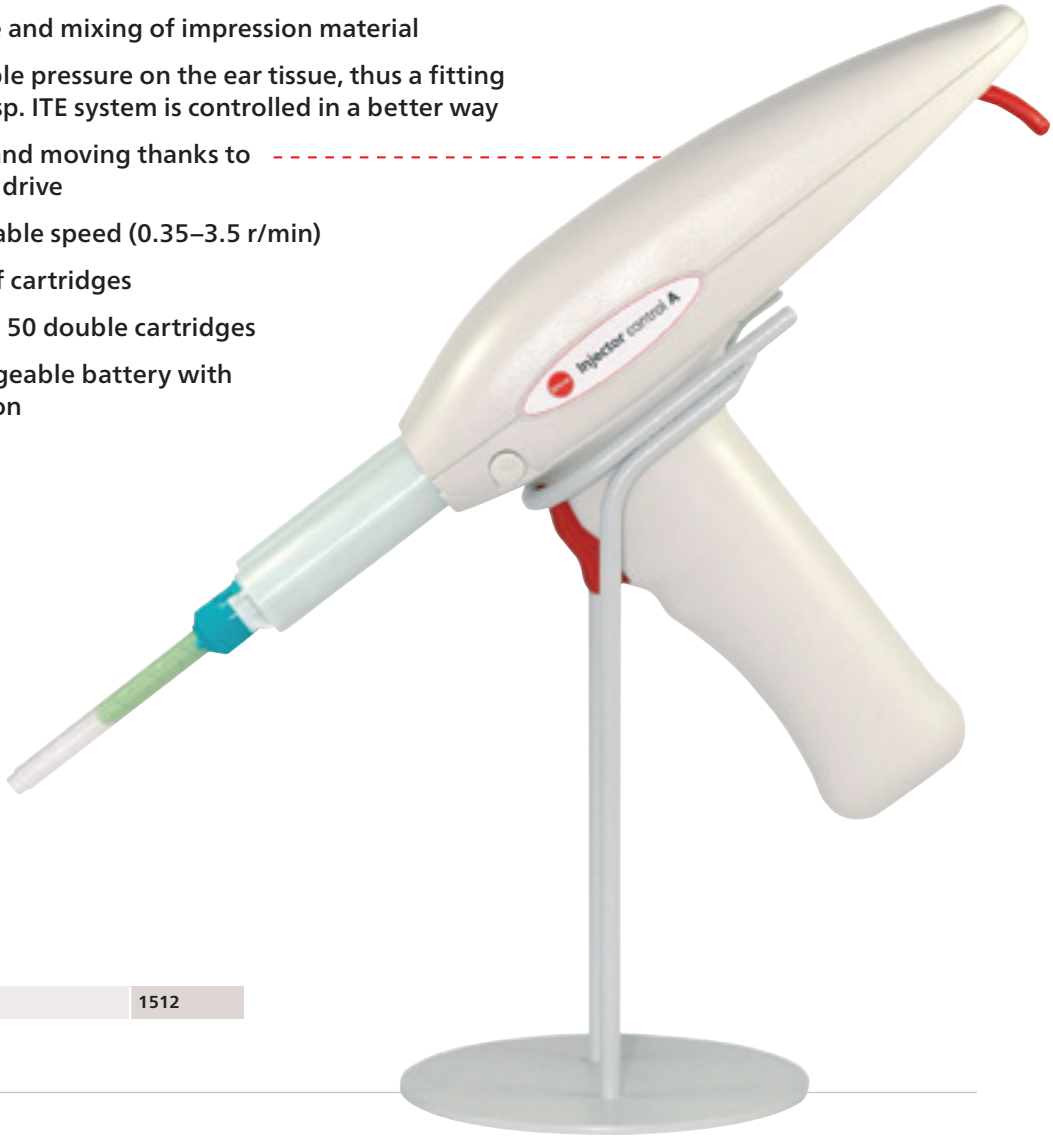


Table rack

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

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 Impression Syringe CIC is advantageous for small auditory canals, e. g. 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

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 3000® Otoscope with Xenon Halogen Direct Illumination

HEINE mini-c® ear light

Robust, durable pocket Otoscope in a compact, modern design with chromed instrument head. Bright, concentrated light because of the new Xenon-Halogen-Lens-Lamp (XHL).

HEINE mini-c® ear light	538

Spare bulbs

HEINE mini 2000® Otoscope	5454
HEINE mini 3000® Otoscope	5414
HEINE ear light	5393
HEINE mini-c® ear light	5383

Ear light tips for HEINE mini-c® ear light

Ideal for vented impression pads.

40 mm	5380
55 mm, slotted	5384

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 4.0 mm	5452
		Ø 5.0 mm	5453
50 pieces	Disposable funnel	Ø 2.5 mm	1633
		Ø 4.0 mm	1634

Dispenser for disposable funnels

Without funnels.

1 piece	1637

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

Vented impression pads

Especially for deep ear impressions. The ventilation tube serves for pressure balance while impression taking and removal of 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.

Digital manufacturing

The new state of the art.

With the introduction of CAD/CAM technologies and the fundamental technological change in the earmold industry, Dreve became the first laboratory in 2004 to manufacture a digitally produced earmold using the FotoTec® stereolithography process.

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

FotoTec® DLP.flex clear transparent

FotoTec® DLP.A reddish transparent

FotoCast® red transparent

Overview of additive manufacturing processes

Material	Digital Light Process (DLP)	Stereolithographie
FotoTec® DLP.A	•	
FotoTec® DLP.flex	•	
FotoCast®	•	•
FotoTec® SL.A		•
FotoTec® SL.E	•	•

FotoTec® DLP.A

The premium material for the 3D Digital Light Process. FotoTec® DLP.A is a biocompatible resin with ideal features for 3D Printing. Aligned to the wavelength of the radiation source the material is perfect to manufacture earmolds and shells.

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

Tip from the pro

FotoTec® DLP materials are compatible for printers with a wavelength of 385 nm.

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	black opaque	24900
	deep black opaque	24950
	white brilliant	24700

FotoTec® DLP.flex

Direct2Print. 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

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 material

1.0 kg	red transparent	14000

FotoTec® SL.E

The versatile material for earmolds. FotoTec® SL.E is ideal for manufacturing thin walls, especially for 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
	reddish transparent		14200
	beige opaque 1		14300
	red transparent		14400
	blue transparent		14500
	reddish orange transparent		14710
0.5 kg	black		14900

FotoTec® SL.E for ProJet® 6000 professional 3D Printer

2.0 kg	clear transparent		14110
	reddish transparent		14210
	beige opaque 1		14310
	red transparent		14410
	blue transparent		14510

Before filling the material reservoir, homogenize colored FotoTec® materials by shaking.

FotoTec® SL. A

Proven material and 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

PCU LED N_2

Pioneering technology

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.

PCU LED N_2 with vacuum and nitrogen	4317

Polymerization chamber:
H 65 x W 150 x D 150 mm

- 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

Technical data

Device	Voltage and Frequency	Weight	Dimensions (H x W x D)
PCU LED N_2	100–240 V / 50–60 Hz	9.3 kg	110 x 389 x 276 mm

SW80H Ultrasonic Cleaning Unit

Quick and efficient cleaning cycles are possible with our explosion protected ultrasonic bath cleaning unit.

- 1 Vibrating tub SW80 with lid and handle
- 1 Forced ventilated workstation with exhaust fan
- 1 Suspension clamp to carry a transport basket
- 1 Installation tub for solvents with folding lid
- 1 Vapourising tub with lid having handle

SW80H Ultrasonic Cleaning Unit	40030

Filling volume:

80 lt. water
40 lt. solvent

Technical data

Device	Voltage	HF-power rating	Power rating	Operating frequency	Weight	Dimensions (H x W x D)
SW80H	400 V / 50 Hz	600 watts	4 kVA / 16 A CEE-Stecker	27.5 kHz	800 kg	2000 x 2300 x 900 mm

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 from an inhibition layer on 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 lacquer

- 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

Fotoplast® Lacquer M

- Sealing of the earmold for a higher surface protection
- Optically appealing, silk mat surface
- Long-lasting and non-abrasive coating
- Tissue-friendly surface refinement, biocompatible

FotoScreen®

For a high-gloss experience

The premium lacquer serves for brilliant surface quality properties on hard earmolds. Furthermore, it offers a great flexibility as the lacquer can be used in all current Dreve post curing devices.

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

Did you know?

The optimal finish is achieved with FotoScreen – brilliant, durable, flexible

SoftTouch Lacquer

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.

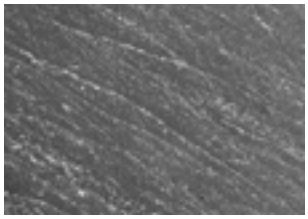
20 ml	clear transparent		4422
50 ml	clear transparent		4423
250 ml	clear transparent		4424

Fotoplast® Lacquer M

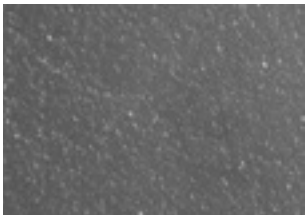
For a satin finish

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	clear transparent		49431



Surface treated with sandpaper, unpainted, magnification 45x



Surface coated with Fotoplast® Lacquer M, magnification 45x

NanoScreen™

The coating for hard earmolds and ITE shells creates a specific surface energy of extreme homogeneity and hardness that is easy to clean. With the colored NanoScreen™ lacquers clear transparent FotoTec® earmolds can be varnished. Curing is recommended under nitrogen atmosphere in the post curing units PCU LED N_2 or Sonolux Flash Evo to reach ideal results.

- Low-energy surface reduces the adhesion of cerumen and impurities to the earmold
- Reduces growth of bacteria
- Considerably decreases the risk of skin irritations and inflammations
- Long-lasting coating that does not wear out
- For easy cleaning

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

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

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.

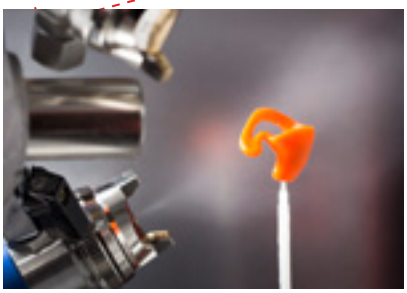
The plant provides a large manufacturing capacity for high quality reproducible coating results on earmolds and shells through defined process setup for spraying and conveying velocity. Beside the integrated curing system effects, it has optimized light exposure parameters. It represents a module which is used for the complete automated and process controlled manufacturing workflow for earmolds in the hearing aid industry.

DACS 2.0	4200

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.

Capacity:
up to 300 parts / h



Automated coating in DACS 2.0

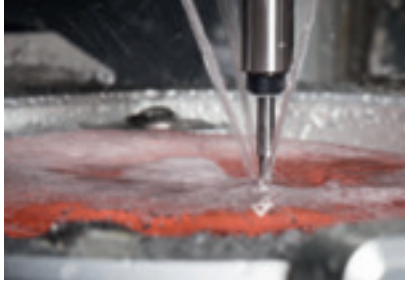
Digital manufacturing DACS 2.0

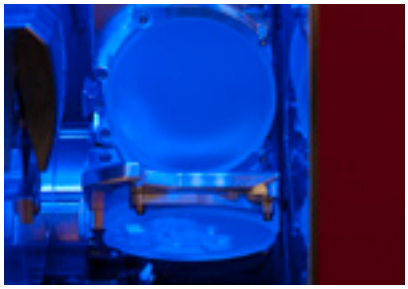
- Increasing manufacturing capacity due to shorter manufacturing times compared to traditional coating process (brushing or dipping)
- Less personnel commitment costs in manufacturing and quality inspection compared to the traditional process
- Lacquering is process controlled
- Optimized light curing 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 m^3/h	1970 x 880 x 2250 mm

Digital manufacturing CNC milling





Digital production of earmolds
with the OtoCam 5 M2

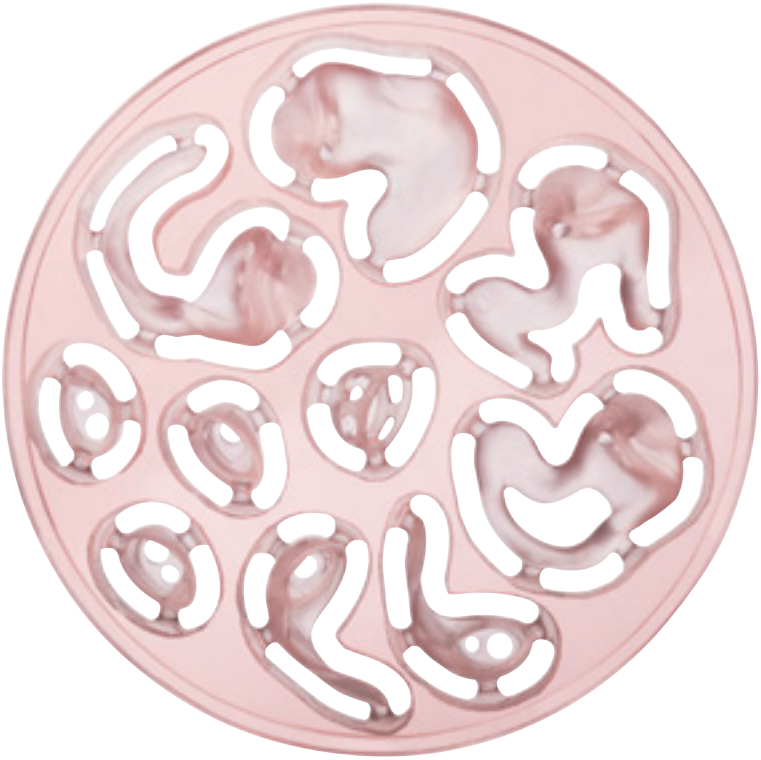
OtoCam 5 M2

Manufacturing of individual earmolds by using CNC milling technology enables the production of thermoplastic VarioTherm® earmolds in the digital process chain. Within this automated process a CAM subtractive manufacturing is described. Using a material blank, 10 cm, several earmolds are milled within various processing steps. Precise surfaces and shapes are generated, a slight manual finishing is required only. The manufacturing of very thin-walled RIC's and earmolds including sound bores is possible as well. Tool exchange takes place in machine automatically. The water cooling system assures a constant temperature within the device chamber. An integrated blank changer has a capacity of eight blanks.

Further information on request

- High surface quality
- Manufacturing of earmolds and thin-walled RIC's with sound bores
- Cooling system for safe and error-free manufacturing of VarioTherm® in different shore grades (50 and 70 Shore A)
- Very high precision for earmolds
- Integrated blank changer for material and color changes within the machine chamber
- Use of *.stl files

Digital manufacturing Blanks



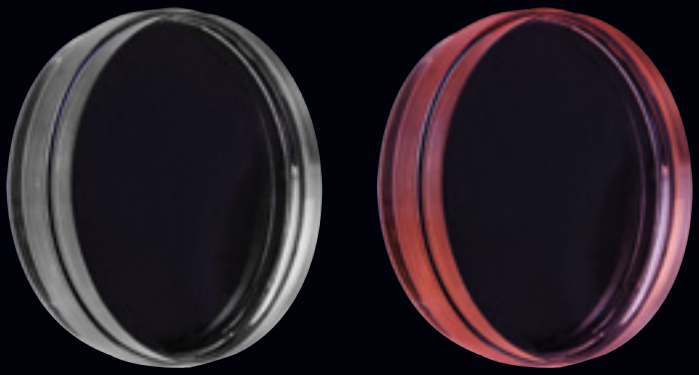
Lifestyle active earmold for external hearing systems

Lifestyle active earmold with support for external hearing systems

VarioTherm® earmold for micro tubing hearing systems

VarioTherm® RIC-Air earmold for micro tubing hearing systems

VarioTherm® RIC-Air earmold with support for micro tubing hearing systems



VarioTherm® blanks
clear transparent or reddish transparent

Handcrafted manufacturing

System-made earmold production

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 48 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

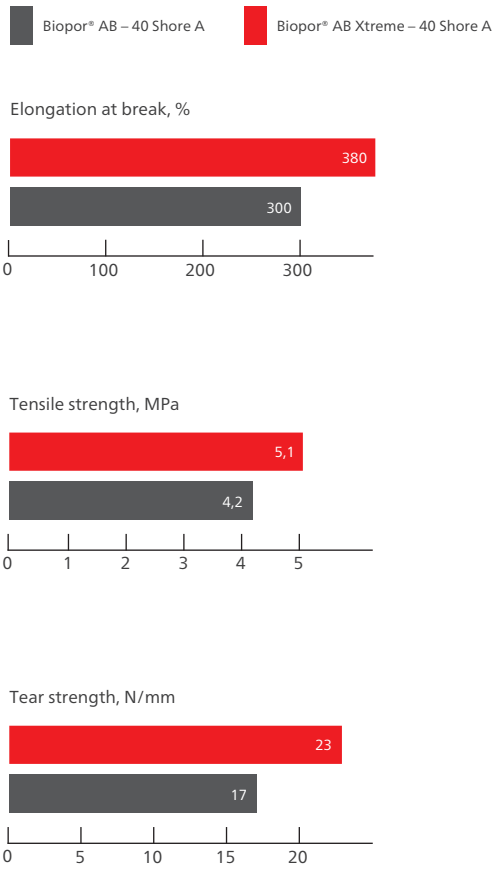
8 x 48 ml	Double cartridge	clear transparent	28840
		reddish transparent	28841
		yellow transparent	288410
		purple transparent	288411
		medium brown transparent	288413
		champagne transparent	288414
		onyx black opaque	288415

40 Shore A

8 x 48 ml	Double cartridge	slate transparent	288416
		sterling transparent	288417
		tan transparent	288418
		blue transparent	28842
		white opaque	288420
		pink transparent	288421
		neonyellow 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 48 ml	Double cartridge	clear transparent	28860
		reddish transparent	28861
		medium brown transparent	288613
		red opaque	288617
		pink opaque	288618
		blue opaque	288622
		yellow opaque	288632
		orange opaque	288634
		green opaque	288642
		black opaque	288652
		white opaque	288662



Handcrafted manufacturing

Handcrafted manufacturing Biopor® AB and Lacquers

Biopor® AB

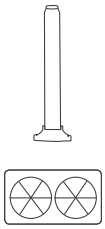
Biopor® AB is a high-quality, permanently flexible, addition-vulcanizing and skin-friendly silicone. It is suitable for the manufacturing of tear-resistant, soft-flexible BTE earmolds. Indirect manufacturing takes place in the laboratory after impression-taking or scanning.

25 Shore A

8 x 48 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 48 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 48 ml	Double cartridge	clear transparent		28400
		reddish transparent		28401
		red opaque		28412
		raspberry red opaque		28413
		strawberry red opaque		28414
		fuchsia magenta opaque		28415
		purple opaque		28416
		blue opaque		28422
		azur blue opaque		28423
		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

- Comfortable processing in 48 ml double cartridges (Especially for the production of multicoloured earmolds)
- Alternatively also available in the large cartridge for economical processing
- Tested biocompatibility (addition-vulcanizing silicones are absolutely 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

Biopor® AB fluorescent

The addition-vulcanizing silicone fascinates with its signal colours, which do not lose their luminosity even in darkness and thus ensure shining moments. As hearing and splash water protection the fluorescent silicone has a wide range of applications for work and leisure. As professional hearing protection it is preferred in industry and in the spare time it protects the ear for example from loud music or slash water.

40 Shore A

8 x 48 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 48 ml	Double cartridge	reddish transparent	28501

25 Shore A

8 x 48 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, Gips	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, Gips	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, Gips	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, Gips	2:30 min. ± 30 sec.	25 min. ± 5 min. (23 °C ± 1 °C)	BTE, water protection

Handcrafted manufacturing Biopor® AB and Lacquers

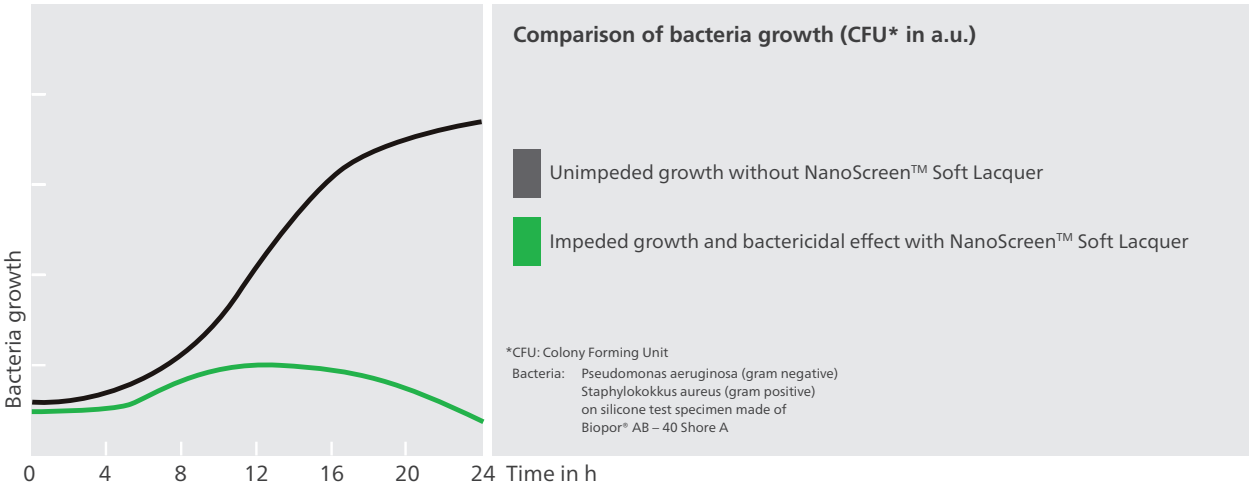
NanoScreen™ Soft

The NanoScreen™ Soft lacquer 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	0801
50 ml	0802
250 ml	0803

Protection against bacterial growth!
–
Easy cleaning!



Comparison of bacteria growth (CFU* in a.u.)

Unimpeded growth without NanoScreen™ Soft Lacquer

Impeded growth and bactericidal effect with NanoScreen™ Soft Lacquer

*CFU: Colony Forming Unit

Bacteria: Pseudomonas aeruginosa (gram negative)
Staphylokokkus aureus (gram positive)
on silicone test specimen made of
Biopor® AB – 40 Shore A

Tip from the pro

Dipping instead of brushing:
The dipping process leads to more even layers of paint.

Lacquering of an earmold with NanoScreen™ Soft Lacquer

Lacquer B eco

The moisture-curing varnish Lacquer B eco corresponds to the proven Lacquer B.

- Optimized formulation: Less odor and stays longer fresh in the bottle
- Contains no toluene therefore user-friendly
- 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 Lacquer B eco
- Robust and durable coating

20 ml	0811
50 ml	0812
250 ml	0813

Lacquer B mat

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
- To laquer all silicone earmolds made of Biopor® AB
- Excellent bond between silicone earmold and the layer of Lacquer B mat
- Durable coating and compared to corundum treated surfaces much easier to clean

20 ml	0814
50 ml	0815
250 ml	0816

Do not leave humidity-curing paints exposed to air for too long!

Lacquer B

Silicone lacquer which is curing at air humidity for Biopor® AB earmolds.

20 ml	309
50 ml	081
250 ml	082

Handcrafted manufacturing Biopor® AB and Lacquers

Biopor® Lacquer

A hot-vulcanizing polish for the surface treatment of Biopor® AB earmolds. Without toluene. The surface varnished with Biopor® Lacquer shows constantly a high quality. A heating cabinet for tempering and curing of the lacquer on Biopor® AB earmolds is available on request.

250 ml + 7 ml vulcanizer	106

Biopor® AB UV Lacquer / Biopor® AB RT Lacquer

Ideal coating for Biopor® AB earmolds on the basis of an addition-vulcanizing silicone. The Biopor® AB UV and RT Lacquer are free of solvents and odorless. Please consider the different curing systems of the Biopor® AB lacquers: Biopor® AB UV Lacquer cures with UV light; Biopor® AB RT Lacquer 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 Lacquer	0831
		Biopor® AB RT Lacquer	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	Viscosity	For lacquering of
Biopor® AB UV Lack	UV light	Polylux: 10 min., PCU Evolution: 5 min.	90 min.	1.25 Pas	All Biopor® AB earmolds
Biopor® AB RT Lack	Room temperature	15 min.	2.5 min.	0.65 Pas	

DiluSoft

Diluting agent for NanoScreen™ Soft.

250 ml	0804

Diluting agent

For Lacquer B eco and Lacquer B mat.

250 ml	0817

Desol

Diluting agent for Lacquer 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

Handcrafted manufacturing VarioTherm® & Lacquer

VarioTherm®

Polyurethane based material for the production of thermosensitive earmolds. Hard at room temperature and pleasantly soft when exposed to body warmth.

VarioTherm® 70 Shore A

550 g	A component, clear transparent		1460A
100 g	B component, clear transparent		1460B
	B component, reddish transparent		1461B

VarioTherm® 50 Shore A

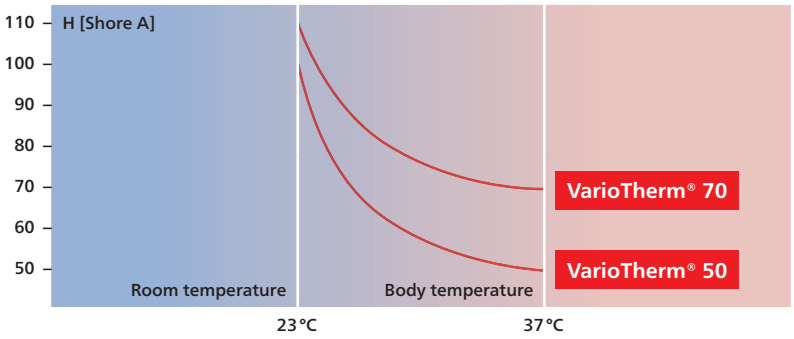
550 g	A component, clear transparent		1470A
100 g	B component, clear transparent		1470B
	B component, reddish transparent		1471B

- **Hard at room temperature: easy processing of blanks and easy insertion of the earmold in the ear**
- **Soft and supple at body temperature: outstanding wearing comfort with optimum sealing, even during jaw movements**
- **Excellent mechanical properties, such as tear resistance, high flexibility and robustness**
- **Biocompatible**

VarioTherm® earmold clear transparent, mat

VarioTherm® earmold reddish transparent, mat

VarioTherm® temperature behaviour



VarioTherm® earmold lacquered with VarioScreen

VarioScreen®

Innovative lacquer for high quality VarioTherm® earmolds. VarioScreen offers unique performance, unrivalled flexibility and unlimited brilliance.

- Easy-to-use one component lacquer
- Great bonding
- High gloss coating for VarioTherm® earmolds
- Adopts the thermosensitive VarioTherm® characteristics
- Achieves an outstanding surface quality

250 ml	clear transparent		14691

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.

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 160 mm
Height 110 mm

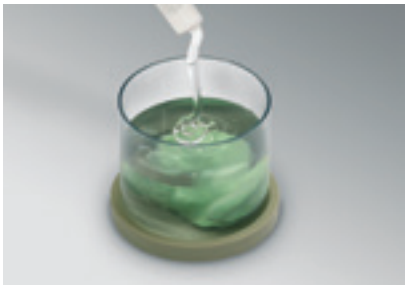
Pressure pot inner dimension:

Ø 220 mm
Height 174 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® and 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

Fotoplast® S IO

Hard material for thin-walled shells (0.5–1.2 mm can be regulated by polymerization time) 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
	cocoa brown opaque		48561

Thermosoft

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

500 g	clear transparent		46700
	reddish transparent		46701

Tip from the pro

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

Fotoflex 3

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

500 g	beige opaque		4393

Fotoplast® Lacquer 3

For lacquering resp. "glazing" of all hard earmolds instead of mechanical polishing. Curing is done within 60 seconds (instant lacquer). Brilliant, tissue-friendly surface sealing. Biocompatible.

20 ml	496
50 ml	497
250 ml	498

Thermosoft Lacquer

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

20 ml	4433
50 ml	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

Processing Fotoplast® Gel

Handcrafted manufacturing Light Polymerization Devices

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

Polymerization chamber:
Ø 95 mm
Height 70 mm

- No thermal impact on the material
- Durable LED light source
- Time schedules 1 / 2 / 3 / 5 / 10 min.
- Easy to use
- Smart design

Technical data

Device	Voltage	Polymerization chamber	Capacity	Weight	Dimensions (H x W x D)
Polylux LED	100–240 V 50–60 Hz, 0.9 A	Ø 9.5 cm x height 7.0 cm	1–2 earmolds	1.5 kg	205 x 205 x 255 mm

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

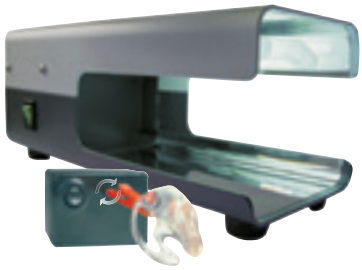
Polylux 100 Set with turning motor

The Polylux 100 is a basic light polymerization unit for repairings and lacquerings. The device has a light source and mirrored interior surfaces which ensure a safe polymerization.

- It is very space saving and easy to use
- With Fotoplast® Lacquer 3 for surface refinement and with Fotoplast® Gel for repairings
- With the turning motor placed next to the Polylux 100, an even and completely cured surface is reached

Polylux 100 Set with turning motor	405

Polymerization chamber H x W x D: 88 x 90 x 130 mm

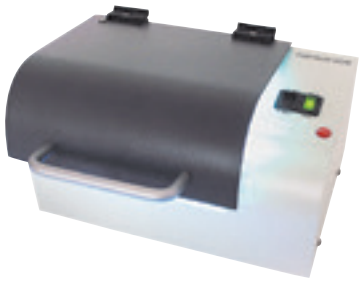


Polylux 500

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 forms for earmolds fixed with a tweezers. The timer enables to limit the maximum polymerization time to 5 resp. 10 min., which is an additional safety feature. The Polylux 500 can be used to polymerize the resins and lacquers of our Fotoplast® range.

Polylux 500	403

Polymerization chamber H x W x D: 50 x 150 x 95 mm



Technical data

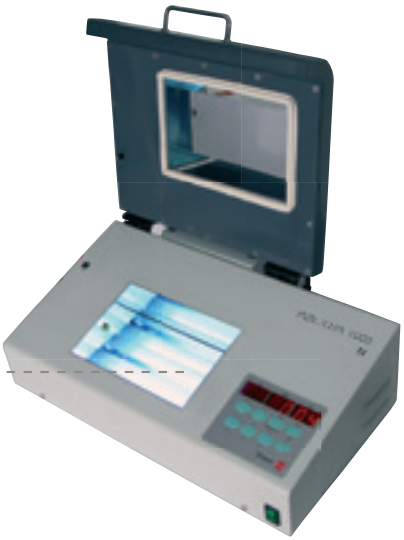
Device	Power consumption	Light source	Light wave spectrum	Capacity	Weight	Dimensions (H x W x D)
Polylux 100	30 watts	2 x 9 watts UVA light tubes	315–400 nm	1 earmold	1.7 kg	100 x 95 x 240 mm
Polylux 500	35 watts	2 x 9 watts UVA light tubes	315–400 nm	4 earmold	3.2 kg	110 x 215 x 190 mm

Handcrafted manufacturing Light Polymerization Devices

Polylux 1000N

For polymerization of adhesive coatings, ventings, shell repairings and earmolds, free of inhibition layers. The polymerization chamber is sealed completely and therefore the oxygen-free polymerization is assured. The polymerization within an oxygen-free atmosphere prevents the formation of inhibition layers on light-curing resins. Therefore the use of Glysol or other polymerization baths is not required.

230 V / 50 Hz	4022
115 V / 60 Hz	4022A
220 V / 60 Hz	4022B



Polymerization chamber H x W x D: 60 x 150 x 100 mm

Technical data

Device	Power consumption	Light source	Light wave spectrum	Capacity	Weight	Dimensions (H x W x D)
Polylux 1000N	100 watts	2 x 18 watts UV-A light tubes	315–400 nm	6 earmolds/ 8 ITE shells (canal)	6.4 kg	145 x 370 x 200 mm

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 steps: 20 sec., 40 sec. and permanent running. 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. Matching Fotoplast® S IO in terms of color, Fotofix prevents the gap-building between faceplate and shell.

20 ml	clear transparent		480
	opaque H (yellowish)		4802

Glysol

Polymerization bath for curing Thermosoft lacquer and for filling earmold cavities for shell formation.

1 l	450

Fotoplast® Color Concentrate

For coloring Fotoplast® materials. From transparent to opaque, depending on the quantity of the color.

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 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
- ⊕ Instantaneous button for short boiling-out

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

The wax dipping unit is a melting and keeping warm device for Paraffin dipping waxes. The device is suitable for temperature of 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

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 canulas 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 mould 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 5 l canisters, red and black marking facilitates the allocation of the tubes of component A+B. Use with the rack for the Dosper evo.

1 set	49366

Rack Dosper evo

1 piece	49364

Cuff forms

Ø 26.0 mm	25 pieces	420
Ø 35.0 mm	25 pieces	417
Ø 40.0 mm	25 pieces	416
Ø 50.0 mm	50 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 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 48 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 48 ml double cartridge, transparent		603
2 x 1 l (A+B), transparent		601
2 x 5 l (A+B), transparent		

Fotosil

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

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

8 x 48 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

Isolat

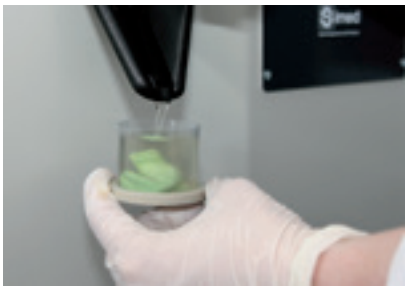
Improved insulation results in a smoother surface of the blanks.

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
- Keep-warm and re-cooling function guarantees an economic use of material (no waste of material)
- Electronic timer provides 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

Product	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

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	20350
10 m	transparent	2031
50 m	transparent	20310

Don´t forget !

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

Pre-bent tubing

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	skin colored, coated with Glusil	0427110
	50 pieces	skin colored, coated with Glusil	0427150
	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
	100 pieces	transparent	04550

Libby Horn

Exclusive sale.

Ø 3.0 mm	1 piece	thin walls	0311
	10 pieces	thin walls	03110
	1 piece	thick walls	0321
	10 pieces	thick walls	03210
	1 piece	Stay Dry (PUR), thin walls	0361
	10 pieces	Stay Dry (PUR), thin walls	03610
Ø 4.0 mm	1 piece	thin walls	0301
	10 pieces	thin walls	03010

Bakke Horn

For hard earmolds.

5 pieces	033

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

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

208

Receiver coupling

Made of plastic.

5 pieces	208

219

Mold ring holder

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

1 piece	219

22010

Metal mold ring

For hard earmolds.

10 pieces, gilded	22010
100 pieces, gilded	220100

22210

Mold ring with retentions

For Biopor® AB earmolds

10 pieces	22210

Ventilette Passat Type 15

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

Ventilette Passat Type 15	868

Technical data

Product	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

02421 02411

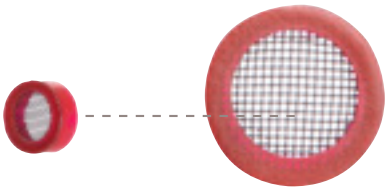
02420 02410

Cerumen protection inserts

For cerumen protection HF 3 or HF 4.

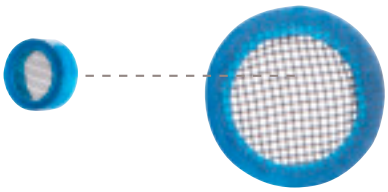
red opaque

HF3	100 pieces	02312
	16 pieces, in dispenser incl. tool for exchanging	02421
HF4	100 pieces	02332
	16 pieces, in dispenser incl. tool for exchanging	02420



blue opaque

HF3	100 pieces	02322
	16 pieces, in dispenser incl. tool for exchanging	02411
HF4	100 pieces	02342
	16 pieces, in dispenser incl. tool for exchanging	02410



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

HF3	10 pieces	02010
	100 pieces	02110
HF4	10 pieces	02030
	100 pieces	02130

1.4 mm drilling, beige

HF3	10 pieces	02020
	100 pieces	02120
HF4	10 pieces	02040
	100 pieces	02140

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

Glusil

Adhesive primer.

20 ml	076

PVC glue

Glue for joining PVC parts.

20 ml	306

Superglue

10 g, viscous	077
20 g, thin fluid	078

Rotary cap

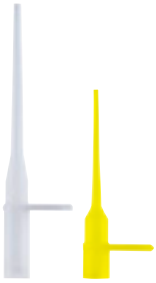
For precise dosing.

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

Stetoclip

With coupling.

1 piece	552

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

Product	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 disposes of a 3-dioptric-optician-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

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 166-168 and 170 resp. 172 DIN tested

1 piece	379

Mouth and nose protection

Protects from dust, for single use.

50 pieces	383

Half mask with exhalation filter

Protects the respiratory tracts from dust. Meets the requirements according to EN 149:2001.

15 pieces	380

Nitril disposable gloves

Size 7 (small)	1406
Size 8 (medium)	14068
Size 9 (large)	14069
Size 10 (x-large)	140610

KaVo SMARTair mobile evo

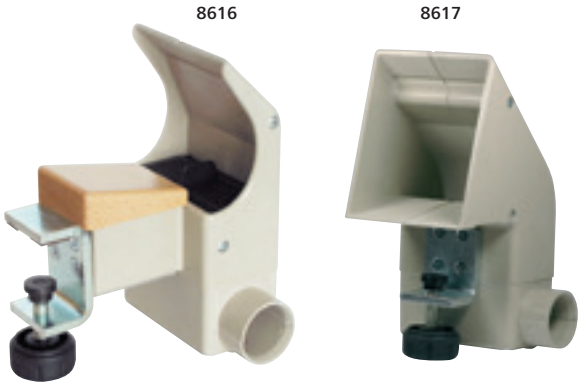
Offers perfect protection against fine dust. Dimensions: H 43 x W 42 x D 27 mm

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)
- Automatic suction power adjustment
- Including 2 filter bags, suction tube and a micro-filter

Suction piece

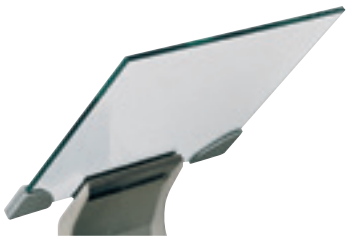
Front table	8616
Table top	8617



Protective pane and holder

Dimensions: approx. 22 x 22 cm

1 set	8618



Filter bag

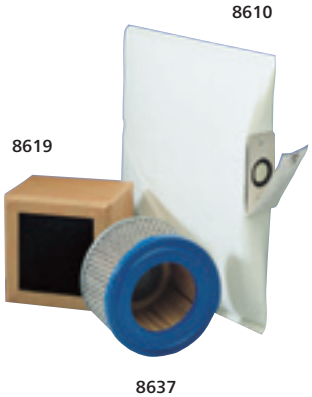
5 pieces	8610

Adsorption filter

1 piece	8619

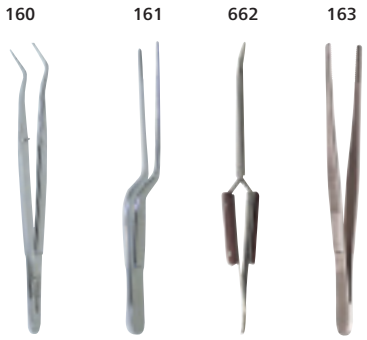
Micro filter

1 piece	8637



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

Pointed.

12 pieces	6754

Tubing expander

1 piece	664

Scissors

1 piece	392

Tubing loop

1 piece	118

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

Nouvag NM 3000

Nouvag NM 3000 is a machine with micro-motor for grinding, polishing, milling and drilling at a favourable price.

- Fatigue-free working due to special shape
- Motor with own cooling system
- All rotating parts are electronic equilibrated
- Tool exchange by quick torsional voltage

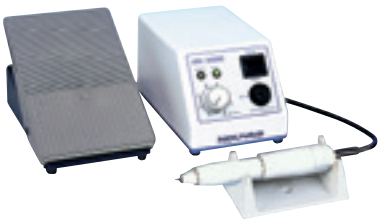


Table model with Vario foot starter	6582
Table model with foot switch On/Off	6584

Technical data

Product	Voltage	Secondary voltage / Secondary current	Power consumption	Performance	Quick torsional voltage
Milling cutter	220–240 V / 50 Hz	12 V / 1.0 A	–	12 VA	–
Nouvag NM 3000	230 V / 50–60 Hz	–	120 watts	–	500–30,000 U/min.

Small grinding motor

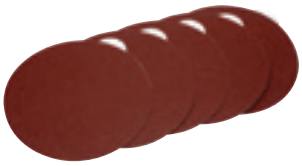
With vertical faceplate, especially for grinding hollow ITE shells.

- 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

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
- Sealing of shaft: Felt washer, front bearing with felt washer and teflon disk
- 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

Product	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

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

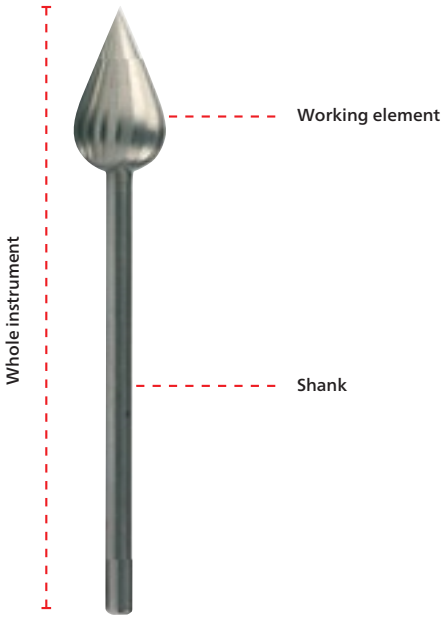
- Excessive contact forces can damage the working part of the instrument with cutting edge chipping in cutting instruments. At the same time, high heat occurs.
- Increased contact pressure may lead to stripping of the grit on abrasive instruments or to clogging of the instruments and increased heat generation.

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.



Drills and cutters for hard materials

Ball burr

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
Ø 3.5 mm	max. rotation speed: min^{-1} 25,000	906

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

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

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

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


900 901 902


903 904 905


906 911 912


913 914 915


916 917 918


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

941 942 943

944 9515 952

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

953 954 955

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

956 957 958

Conically-shaped

Ø 6.0 mm	fine, max. rotation speed: min^{-1} 20,000	958

Grinding cap holder

Ø 4.95 mm	999

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

9910 9911

Swam stone

Mounted, pear-shaped.

Ø 6.0 mm	max. rotation speed: min^{-1} 12,000	9912

9912

Speed Trimmer

For cutting resins.

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

961 972 962

Cutter

For cutting resins.

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

Sandpaper holder

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

966 967 968

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

969 970 971

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 12.0 mm	max. rotation speed: min^{-1} 10,000, grey	994
Ø 5.0 mm	max. rotation speed: min^{-1} 20,000, blue green	995
Ø 10.0 mm	max. rotation speed: min^{-1} 10,000, grey	9971
Ø 5.0 mm	max. rotation speed: min^{-1} 20,000, silver 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 Rotary Instruments

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

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

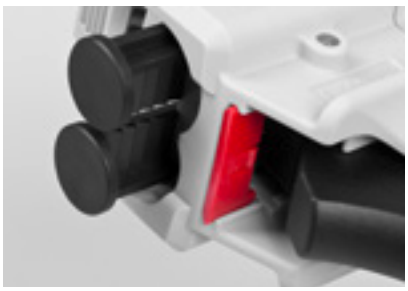
The manual Injectors enable a clean and safe application of impression materials with stable pressure. Less effort is necessary for dispensing the material. The Injector for 48 ml double cartridges is also suitable for the silicone materials Biopor® AB.

Injector for 48 ml double cartridges		150
Injector DS 50 for S 50 double cartridges		1502
Injector DS 50 for S 50 double cartridges		15021

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

Product	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 48 ml double cartridges. Compressed air supply is necessary.

- Weight: 755 g
- Operating pressure: 3.4 bar
- Power consumption: 0.71 kN

Injector pneumatic	150P

Injector 400 pneumatic

The pneumatic Injector offers a clean and safe application of Biopor® AB (400 ml cartridge) with an even pressure. Compressed air supply of 5 bar (70 psi) is necessary

Injector 400 pneumatic	1504P

Canula tips

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

50 pieces	323

The colours of the caps on the double cartridges indicate the mixing tips belonging to the product.

Mixing tips

Ø 4,2 mm

- For S 50 double cartridges

Biopor® AB RT Lacquer
Biopor® AB UV Lacquer
Otoform® A softX
Otoform® Xpand

40 pieces	3246
100 pieces	3247

Ø 5,4 mm

- For S 50 double cartridges

Otoform® A soft
Otoform® A flex
Otoform® Xpand
Dosper evo

40 pieces	3244
100 pieces	3245

Ø 6,5 mm

- For S 50 double cartridges

Otoform® Ak

40 pieces	3241
100 pieces	3242

Ø 5,4 mm

- For 48 ml double cartridges

Biopor® AB, 25 Shore A
Biopor® AB, 40 Shore A
Biopor® AB fluoreszent
Biopor® AB light
Formasil 2K
Fotosil
Klarsil H
Otoform® A soft
Otoform® A flex

40 pieces	322
100 pieces	321

Ø 6,3 mm

- For 48 ml 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
Otopren

40 pieces	326
100 pieces	327

Ø 6,3 mm

- For 400 ml double cartridges

Biopor® AB 400

100 pieces	3214

Index

Dreve Design Rev.300919-27332GB

We cannot be held responsible for false statements and the consequences in this catalogue. Delivery of our products is effected according to our general terms and conditions. Technical modifications reserved. Color variations are possible.

Our medical devices are registered in many countries. Please contact us for further information.

Dreve Otoplastik GmbH
Max-Planck-Straße 31
59423 Unna/Germany

Telefon +49 2303 8807-40
Telefax +49 2303 8807-55
E-Mail otoplastik@dreve.de
Internet www.dreve.com

Dreve Otoplastik GmbH
Max-Planck-Straße 31
59423 Unna/Germany

Tel.: +49 2303 8807-0
Fax: +49 2303 82909
E-Mail: otoplastik@dreve.de
Internet: www.dreve.com