The dental CAD/CAM Milling System

From one user to another — with open interfaces!
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More than 50 years experience in dentistry, attention to quality and even greater ambitions.

Organical CAD/CAM unites the long-term practical experience of the Rübeling Group with up-to-date engineering know-how. The result is unique in the area of computer-aided dental prosthetics: The ORGANICAL® System.

For more than eleven years, our team of 25 experienced dental technicians, innovative machine builders and engineers has been working on trend-setting technologies in the field of digital dentistry. At our headquarters in Berlin, we develop modules which also meet the most stringent demands – our own.

You can rely on a standard of quality which probably can only be provided by a system developed by users for other users. Intuitive operation and comprehensive customer service is as important to us as outstanding material efficiency. This also includes offering individual training courses for our customers and distributors as well as fast and uncomplicated assistance in case of technical problems. We are there for you at all times!

So that we can set ourselves up for the next step - the further development and strengthening of the umbrella brand ORGANICAL - we have transferred the business division “development, production and trading” over to Organical CAD/CAM GmbH. R+K CAD/CAM Technologie GmbH & Co. KG is still available for its customers as a milling centre for CAD/CAM-based dentures.

All materials in our Organical® range and the Organical® milling machines are made in Germany.
Expertise and Service

- Development

Due to the close interaction between our production centre and our dental laboratory, and also due to our close ties with the university clinics in Berlin, Halle/Saale, Tubingen and Munich, we are able to develop new ideas that result in innovative products.

We are practitioner and at the same time also producer. As such, we develop our machines and software focusing specifically on the users’ requirements. You will notice this immediately when using, for example, an Organical® milling machine, software tools in Organical® Mill or Rhino Dental applications. With our innovative ideas for tools, auxiliary parts and materials, we also support the new developments of 3Shape und 3DSys- tems.

Rübeling + Klar is continuously working on improving the available technology and simplifying procedures so that you can achieve optimum results faster and more easily.

- Service & Support

If you experience any problems we will be there for you immediately. The experts in our production centre are there to assist you quickly and without delay in terms of service and support with any software problems you might have, either directly by phone or online using TeamViewer.

If the problem requires the support of one of our technicians on-site, we will be there for you as quickly as possible with the appropriate spare part – in Germany within 48 hours. This reduces your down-time to an absolute minimum.

- We support YOU with 3Shape

As an innovative dental company, we are defining new standards: As the first dental user worldwide and also technology and sales partner of 3Shape (Denmark), we are applying our knowledge in the ever-developing field of dental 3D technologies and digital manufacturing processes of 3Shape and R+K.

Thus, YOU profit twofold from our know-how in the production of CAD/CAM dentures: As beta tester, we guarantee YOU the smooth process of 3Shape applications. YOU will always be the first to hear about the latest developments and trends and also tricks and tips relating to all open-system 3Shape solutions.

We can offer YOU all the 3Shape products and training courses at attractive prices and provide you with the best support from our own in-house production site in line with the best possible strategy – from ONE USER to ANOTHER.

Trust Organical®

- Modular CAD/CAM product portfolio, individually configurable for the perfect work flow.
- Outstanding time and material efficiency of the machines.
- Extensive, customized courses to suit your needs.
- Competent customer service.
Production Centre

Reliable, accurate, cost-effective – our milling machines working for you.

With its milling and rapid prototyping services, our sister company R+K CAD/CAM Technologie covers the whole spectrum of digital dental technology.

In principle, we are able to process all scan data. Our implant system library is being expanded continuously and contains almost all well-established providers.

You decide how you wish to submit your work to us. We process the work as required – classic models, raw scan data or data files that have already been modelled. We offer an unrivalled diversity of materials.

All work is constantly checked by our internal quality control management.

In addition to conventional materials, we also offer restorations from prefabricated blanks.

In our range

Certified by Camlog®

As a certified milling centre from Camlog®, we can offer you all the original systems available from Camlog®. Furthermore, with effect from 1 January 2017, our milling machines “Organical Multi S” and “Organical Desktop 8S” have received per se worldwide first approval from Camlog® for the certified milling of original PreFace abutment blanks from Camlog®.

Baltic Denture

The Baltic Denture System process enables a new type of production of total prostheses in the digital workflow. Less manual work, foreseeable results, high quality material and reproducibility are the quintessence of this innovative concept. The rows of teeth incorporated by polymerisation consist of acrylic teeth that impress due to their aesthetic effect and high abrasion resistance.

Organic PEEK by JUVORA™ – High-performance polymer made of 100% PEEK-OPTIMA LT1

Are you prepared for the new framework material? The Organic PEEK by JUVORA™ is ranked at the top of the dental industry. The denture material leads the market in relation to the technical progress that has been made with the construction of removable dental prosthetics. Organic PEEK by JUVORA™ comprises exclusively PEEK-OPTIMA LT1 from Invibio Ltd and is completely biocompatible. This high performance polymer has already been used in over four million implants worldwide.

ORGANICAL® - VITA Zahnfabrik authorised system

The Organical® Multi and the Organical® Desktop 8 milling system have a validated workflow for processing VITA ENAMIC, the first dental hybrid ceramic worldwide with dual network structure, and VITA SUPRINITY, a high-strength lithium silicate ceramic (ZLS) enriched with zirconium dioxide (approx. 10 weight percent).
Service Spectrum

- Lava™ Ultimate
- VITA® ENAMIC
- Noritake Katana™
  ML Zirconium
- Organic PEEK by JUVORA™

- Organic Zirconium
- Organic CoCr
- Bar constructions
- Implant restoration

- Abutments
- Implant replicas
- Baltic Denture
- Full prosthesis

- IPS e.max® CAD crowns
- Milled models
- Model cast
- Drilling template
Training

Courses
In our easy-to-follow practical training sessions in either our own training rooms or on-site at your premises you will learn how to use our machines and the corresponding software. This means that you are well prepared and can achieve optimal results from the start.

Upon request, we can also arrange special training courses to suit your needs. And we even offer courses relating to other topics other than dental restorations. Would you like to design jewellery using your Organical® milling machine? We can show you how to do this!

Excerpt from our training programme

Organical® Desktop 8 Taster Day
Hands-on Workshop
Introduction to the Organical® Desktop 8 and the Organical® Mill 2.0 – CAM Software “Desktop”.

Organical® Multi Taster Day
Hands-on Workshop
Introduction to the Organical® Multi and the Organical® Mill 2.0 – CAM Software.

Aligner Therapy
Certification courses for dentists

Scanner Taster Day
Hands-on Workshop
3Shape Scanner D900L & Software Dental Designer vs. Organical® Desktop Scan blue & Software exocad

3Shape Dental System™ – for beginners
If you always wanted to know why this software is so easy to use and would like to try it out, then here is your chance to get to know many of the basic modules.

3Shape Dental System™ – for advanced users
Take the next step. Find out about everything that is possible with the software and how you can digitally produce large combined workpieces and implants. Also included are a few little tricks designed to help the “professionals” work quicker and more efficiently.

exocad on the test scanner Organical® Desktop Scan blue – for beginners
There are already numerous indications present in the basic version so that this software is suitable for both advanced users and also beginners in the CAD/CAM sector.

exocad on the test scanner Organical® Desktop Scan blue – for advanced users
On this course, you will learn everything about the additional software modules and will receive an insight into whether one or more of these modules would facilitate your work process.
Scanners and CAD Software
3Shape D2000

High definition, individual, productivity-orientated

3Shape’s D2000 Scanner was developed for large performance orientated laboratories that place value on extreme precision and high degree of detail. The D2000 combines Real Color™ technology with very high scanning speeds, extreme precision, maximum possible internal volume in the available space and covers the complete spectrum of dental indications for full-service laboratories.

In connection with high-quality scan abutments you can obtain a precise 3D picture of each implant position and its direction and can guarantee an excellent passive fit.

3Shape scanners with the CAD software Dental System can be used in combination with all well-established open CAM processing systems.

Highlights

- High-resolution scanning of cast models and impressions
- Dental System™ Premium covers the whole palette of dental indications
- Single stump scanning with the D2000 for high productivity with single or multiple processing
- Real Color™ and photo texture scan technology for high perception of detail and recognition of hand-drawn markings on the model
- Auto-occlusion™ technology – scan of upper and lower jaw, determination of occlusion occurs automatically
- Optimised transfer of mandibular articulation simplifies transfer of the model position from the physical articulator onto the virtual articulator

Technical data D2000

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scan time:</td>
<td>Single stump 15 sec., Model 25 sec.</td>
</tr>
<tr>
<td>Resolution:</td>
<td>4 cameras, 5.0 megapixels</td>
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<tr>
<td>Exact fit of the crowns and bridges:</td>
<td>5μm</td>
</tr>
<tr>
<td>Exact fit of the implant bars:</td>
<td>8μm</td>
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<tr>
<td>Light technology:</td>
<td>Blue Multi-LED technology</td>
</tr>
<tr>
<td>Art. No.</td>
<td>70-1517</td>
</tr>
</tbody>
</table>
3Shape E3

The all-round scanner for CAD/CAM laboratories with a wide variety of indications

Perfect for large, production-orientated laboratories. With its two high-resolution 5 MP cameras and the noiseless blue LED technology, the E3 provides exceptional speed and highly-precise colour scans. With the new 3Shape E3 you will be taking your first step towards digitalisation of your laboratory processes. You will profit from the intuitive design software, the easy handling and the latest scanner technology. The E3 from 3Shape ensures reliable scan results and high-speed scanning.

Highlights

- Advanced scan functions and CAD design workflows at an attractive price
- Increased available space for scans of articulated models
- Colour texture scan
- High-speed scanning enables you to complete more jobs in less time
- Greater precision with implant scans
- 5 MP cameras, blue LED and multi-line scanning for optimal detailed capturing and precision
- The scan procedure begins once you place the model in the scanner. No need to press any buttons.
- Scan the impressions direct without having to make any gypsum models. This saves you time and money.

Technische Data E3

Scan time: Single stump 18 sec., Model 24 Sek.
Resolution: 2 cameras, 5,0 megapixel
Accuracy: 7 μm
Light technology: Blue Multi-LED technology
Art. No. 70-2605
Organical® Blue Pro

The first all-inclusive scanner with satisfaction guarantee

Organical® Blue Pro is a space-saving, reliable and high-performance 3D scanner which is simple and intuitive to use. Its extraordinary precision is down to the special, geometric arrangement of the scan optics.

The scanner is impressive on account of its flexible and personalised data capture, its open-system data export in all well-established formats and its extremely fast, fully-automated scan procedure.

The ergonomic and cost-efficient system functions on its own without an additional computer and is predestined for the most important, prosthetic and orthodontic work. With this scanner, everything is included! Its extraordinary capability with regard to quality and speed ensures maximum production and return on investment.

Technical Data

- **3D scan procedure:** “Structured Light” method
- **Camera resolution:** 1.3 Megapixels
- **Light source:** LED, 100 ANSI-Lumen blue light (30,000 hrs)
- **Motorized rotary disc:** 2-axis movement (rotation, tilting)
- **3D scan area (W/H/D):** 90/80/70 mm
- **Dot distance:** 0.04 mm
- **Accuracy:** 0.015 mm
- **Format of output data:** STL, PLY, OBJ
- **Cutting point:** USB 3.0 Hi-Speed, VGA/USB 3.0 Super-speed, VGA
- **Dimensions (W/H/D):** 250/450/450 mm
- **Network:** 100/1000 Mbps Gigabit LAN, W-LAN
- **Weight:** 16 kg
- **Art. No. (with Organical® Dental CAD Soft):** 70-1700
- **Art. No. (with Exocad CAD Soft):** 70-1702

Less need for support and simple upkeep

Calibration of the optics and a check of the system accuracy can also be carried out by inexperienced users. The construction was optimized by using mechanical industrial-grade components and an SPS-based electronic system. The LED projector saves electricity and is reliable.

Highlights

- High precision and repeatability (under 15 μm)
- Multi-die and in-place function and freely configurable scanning procedures (complete jaw/also in occlusion, single stumps, bridges, antagonists, wax-ups)
- Open-system data can be exported in well-established, neutral formats (STL, PLY, ASC) and can be easily read by all freely accessible CAD/CAM systems
- SPS-based electronics, mechanical and electronic components of outstanding industrial quality
- Less need for support and safe, first-class handling
exocad

The “David” amongst the “Goliaths”

exocad is, without doubt, worldwide one of the most recognized software companies for dental CAD applications. Its intuitively easy-to-use exocad software enables the inexperienced user to easily move into digital dental technology as it is specifically geared towards the dental technology work process of constructing dental restorations. Furthermore, it offers specialists in your field greater freedom and specially adjustable parameters to integrate individual customer wishes.

From designing simple copings to more sophisticated implant-retained restorations, the exocad software guarantees an ergonomic, time-saving and well-tested workload and, thus, represents the perfect addition to the scan system “Organical® Blue Pro”.

Indications

- Inlays, onlays, veneers, partial crowns, crowns, bridges
- Anatomical copings and bridge frames
- Telescopes
- Prefabricated crowns (priti®denta)
- One-piece individual abutments
- Screw-retained implant bridges and bars
- Egg shell temporary restorations
- Bite splints etc.
- Model cast
- Chain Mode
- Virtual gingiva

Highlights

- Photo-realistic representation of the restoration designs in real-time
- Mirroring existing teeth in existing constructions
- Extensive, free of charge implant-system library, also for prefabricated abutments
- Can be modelled perfectly due to the fully-fledged, virtual articulator
- Insertion of situation models and wax-up constructions possible
- Subsequent import of prepared abutments into already completed constructions
- No standardised, obligatory licence fees
Hardware and Software solution all-in-one

Organical® CAD / Ortho is an inbuilt design and archive software for realising the most well-established dental applications. From 3D scanning to CAD modelling and planning: Due to the intuitive handling and the plug and play system, even inexperienced users can achieve first-class, highly aesthetic results.

Indications

- Inlays, onlays, veneers, partial crowns, crowns, bridges
- Anatomical copings and bridge frames
- Telescopes
- One-piece individual abutments
- Screw-retained implant bridges, implant bars, egg-shell temporary restorations for example, in the pipeline
- KFO archiving *
  *Available through additional software

Highlights

- Digital Smile system projects directly importable
- DentalCAD enables the direct integration into SUM3D Dental CAM and therefore, also maintenance of the CAD data, nesting and also CAM processing on an individual surface.
Milling Machines and CAM Software
Made in Germany

The systems that were available on the market in the fields of dentistry and machine building were not suitable as they did not meet our demands in terms of quality, size and energy consumption. As a result, our own dental technicians, machine builders and engineers developed the Organical® milling machines. These have proved a success over the last 10 years, not only in Germany but also internationally in dental laboratories, milling centres and clinics.

The Organical® Multi was developed by our design engineers and built under licence by our partner company in Berlin.

The Organical® Desktop 8 stems 100% from our company: Development, design and construction is performed by our team in Berlin.
Organical® Milling Machines

<table>
<thead>
<tr>
<th>Processable Products</th>
<th>Multi</th>
<th>Multi S</th>
<th>Desktop 8</th>
<th>Desktop 8S</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPS e.max®-CAD</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>JUVORA™ Dental Disc</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Lava™ Ultimate</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<td>Glass ceramic</td>
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<tr>
<td>Titanium / Titanium Niobium</td>
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<td>✔</td>
<td>✔</td>
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<tr>
<td>CoCr</td>
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<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Zirconium</td>
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<td>Wax</td>
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</table>

<table>
<thead>
<tr>
<th>Properties</th>
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<tbody>
<tr>
<td>Air cooling</td>
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<tr>
<td>Dry</td>
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<tr>
<td>Wet</td>
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<tr>
<td>Axes</td>
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<tr>
<td>Pivoting range</td>
<td>360° [-30°+110°]</td>
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<tr>
<td>Tool storage capacity</td>
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<tr>
<td>Chucks pneumatic</td>
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<tr>
<td>Chucks manual</td>
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<tr>
<td>Changer</td>
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<tr>
<td>Spindle</td>
<td>1 kW</td>
</tr>
<tr>
<td>Art.</td>
<td>70-5000</td>
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</tbody>
</table>
Organical® Multi S

Experience freedom

The fully automated Organical® Multi production station “Made in Germany” is ideal for the wet and dry processing of all millable materials. Long-term milling strategies developed and tested by us specifically for the dental technology field ensure safety at all times and optimal precision in the production process.

In addition to the low-level vibration and noise, the swivel and rotary axis made of high-strength milled aluminium (Certal) guarantees, amongst other things, a distinct stability and the highest level of precision.

The 1.8 kW spindle features a true running accuracy which is better than 1 μm and an integrated cooling and lubricating system. The polished recirculating ball screw guarantees a machine with a low noise-level and low maintenance. The blanks can be quickly and easily positioned in the holder (quick-action chuck) in a few simple steps.

Highlights Organical® Multi S

- Liquid-cooled spindle for increased dimensional accuracy of the milling object
- Better cutting behaviour for more torque, also at lower speeds
- Swivel range of -30° to +110° for easy production of abutments with extreme angulations
- Automatic tool changer station with 47 tool slots for maximum flexibility
- Comprehensive support from one user to another through engineers and dental technicians
- Fully automated production with optional changer

Technical Data Organical® Multi S

Dimensions (W/H/D): 96/196/78 cm
(with door open): 96/240/78 cm
Weight: 790 kg
Spindle: 1.8 kW, 6,000–60,000 rpm
Feeder: max. 15 m/Min.
Tool changer: 47-slot tool changer with tool length sensor and tool breakage detection
Rotary swivel axis: A: -30°/+110° B: 360°
Connection: 400 Volt / 16 A (slow)
Automation: Optional: 20-slot changer
Article No.: 70-5200
**Enjoy your free time**

With the Organical® Changer 20 changer system, you can let the production station work independently round the clock. It can mill different types of jobs in succession. Crowns made of glass ceramic in various tooth colours, bridges made of titanium or more complex telescopic restorations. You just have to insert the correct blanks in the correct order. The rest will be taken care of by the work station!

**Technical Data Organical® Changer 20**

- **Dimensions (W/H/D):** 103/196/85 cm
- **Weight:** 420 kg
- **Magazine stations:** 19
- **Power supply:** via the Multi
- **Article No.:** 70-1024

**Highlights Organical® Changer 20**

- Simple and efficient automated system for 19 blanks
- Various materials, material thicknesses and colours can be used
- Simple and convenient assembly and service of the changer due to the generous construction
- Easy to programme
- Fits through every EU standard-sized door

**Processable Materials**

<table>
<thead>
<tr>
<th>Abutments</th>
<th>VITA SUPRINTITY®</th>
<th>IPS e.max®-CAD</th>
<th>Organic PEEK by JUVORA™</th>
<th>Lava™ Ultimate</th>
<th>Organic model blank</th>
<th>Pure titanium/ Titanium niobium</th>
<th>Baltic Denture</th>
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</thead>
<tbody>
<tr>
<td>CoCr</td>
<td>ML Zirconium</td>
<td>VITA ENAMIC®</td>
<td>100% PEEK- OPTIMA LT1</td>
<td>100% PEEK- OPTIMA LT1</td>
<td>100% PEEK- OPTIMA LT1</td>
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</table>

**New dimension of scissure work in wax, zirconium and PMMA**

**UNIQUE:**

Complex bar with pronounced implant angulations and hole for transversal screw – completed in one milling process

**Radius:** 0.15 mm
Open, intuitive, high-performing

The sophisticated, timeless design and the user-friendly operator ergonomics of the Organical® Desktop 8S enable dental laboratories and dentists to work intuitively and also to enjoy their work. The 1kW-spindle (Jäger) features a true running accuracy which is better than 1 µm. The polished recirculating ball screw guarantees a machine with a low noise-level and low maintenance. Organical CAD/CAM’s preset milling strategies ensure great precision. With the Organical® Desktop 8S, users get an open system. The CAM software imports all types of STL data independently of the CAD programme.

Dental-wide unique – Standards newly defined

The Organical® Desktop 8S is a highly precise, 5-axis desktop milling machine. Ideal for guaranteed wet and dry milling, can process all well-established dental materials.

Together with IPS e.max® CAD blanks, circular blanks in various thicknesses with a diameter of up to 120mm can be processed. As such, a whole range of new commercial opportunities has opened up for the user in the field of total prosthodontics and prosthodontic splints, in addition to the manufacture of customized impression trays and drilling templates.

An entirely newly-developed drive concept guarantees a continuous and smoother feed for an optimal surface quality.
Superclass compact
5-axis milling machine for processing almost all well-established materials with wet and dry milling

Highlights
- Enhanced for the cost-effective processing of metals and improved long-term stability of the milling burs
- Increased material efficiency through integrated circular blanks, with a diameter of up to 120 mm
- Unique dental ultra-fine scissure work with 0.075 mm (radius) tools
- Swivel range of -30° to +30° for easy production of abutments with extreme angulations
- Automatic tool changer station with 19 tool slots for maximum flexibility
- Validated and open CAD/CAM complete system with quality-tested milling templates
- German industry standard - Organical® Multi inside
- Total support from one user to another through engineers and dental technicians
- Fully automated central lubrication

Service
- 1 year bring-in guarantee on all components
- Extended guarantee possible upon request
- Basic instruction at R+K CAD/CAM in Berlin or with one of our regional partners

Optional Accessories
- Water container with pump for wet milling
- Vacuum system
- Holder for IPS e.max CAD, priti® crowns, pre-milled blanks
- Cabinet

Technical Data Organical® Desktop 8
Dimensions (W/H/D): 938/586/610mm
Weight: 240 kg
Spindle: ca. 1 kW, 60,000 rpm
Tool changer: Automatic tool changer (18 slot + 1 zero tool, 3 mm shaft) with tool length sensor and tool breakage detection
Compressed air: 7 bar
Rotary swivel axis: A 360°, B+/−30°
Input voltage: 100-264 VAC, 47-63 Hz
127-370 VDC, max. 2150 W
Article No: 70-5300

Cabinet
Dimensions (W/H/D): 863/630/610 mm
Weight: 80 kg
Article No: 70-5102 (individual cabinet)
Article No: 70-5101 (incl. unit for wet operation and vacuum system)
Article No: 70-5103 (fluid container, pump, controlling software)

Processable Materials

<table>
<thead>
<tr>
<th>Material</th>
<th>Abbreviation</th>
<th>Manufacturer</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>Lava™ Ultimate</td>
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<td>3M ESPE</td>
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<td>Organic Modelblank</td>
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<td>100% PEEK-OPTIMA LT1</td>
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<td>IPS e.max® CAD</td>
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<td>JUVORA™</td>
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<td>Organic PEEK</td>
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<td>ML Zirconium</td>
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<td>Noritake Katana™</td>
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<td>Zirconium</td>
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<td>PMMA</td>
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<td></td>
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<tr>
<td>Wax</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Composite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass ceramic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pure titanium/</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium niobium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA ENAMIC®</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA SUPRINITY®</td>
<td></td>
<td></td>
<td>Baltic Denture</td>
</tr>
</tbody>
</table>

The ideal base cabinet for the Organical® Desktop 8S. Custom-made in the same design and material, offers enough space for the vacuum and wet grinder system which can be purchased separately.
Organical® Desktop 7/7c

5-axis milling machine with pneumatic clamping device and alternatively, also with blank changer for 8 blanks (7c)

The Organical® Desktop 7 and Organical® Desktop 7c are multi-purpose dental milling machines. They have five simultaneously working axes and are designed for both dry and wet processing. The second axis of rotation (B axis) with an angle of inclination of up to ± 30 degrees enables the milling of undercuts.

Not only for dry processing: Both machines have been prepared for connection with the wet grinding module. This opens up new processing opportunities. Furthermore, liquid nozzles have already been integrated into the spindle to allow for optimal cooling of the tool during grinding. This means that all types of well-established glass ceramics can be ground.

Blank Changer

You can equip the changer with blanks via an additional smaller front cover. The correct blank for your milling job will then be automatically placed in the clamping device when needed and you can mill round the clock without having to operate the machine.

Ideal for small laboratories

The Organical® Desktop 7 and 7c milling machines are worthwhile even for an output of approx. 200 units per year. The machines are, thus, a cost-effective alternative for small laboratories that prefer to place trust in their own work rather than in an external milling service. Due to microstepping, the machines run quietly and very precisely, quick processing on account of the exponential acceleration ramps and automatic switch to full step mode is guaranteed.

Optional Extras

Cabinet 60/92.5/60 cm (W/H/D) offers a great deal of storage room for blanks, tools and accessories, solid granite top, high-quality design.

Switch panel for external vacuum system, switch panel for automatic switching on/off of external vacuum system, controllable via software, energy-saving function.
Organical® Desktop 7/7c

Highlights Organical® Desktop 7/7c
- 5-axis dry processing, set up for wet processing
- Wide indication spectrum
- Blank changer for 8 blanks (Organical® Desktop 7c)
- Pneumatic chuck for the quick replacement of the clamping device for blanks with ø 98.5 mm and a thickness of 10–30 mm, 2 blank holders included
- Pneumatic spindle collet chuck for tools with 3 mm shaft diameter
- Automatic tool change station for 16 tools with tool length determination
- Grinding of glass ceramics optional
- Compressed air 6 bar
- Maximum precision and excellent surfaces with even more precise IMT spindle

Technical Data Organical® Desktop 7/7c

<table>
<thead>
<tr>
<th>Dimension (7) (W/H/D)</th>
<th>49/54/44,5 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension (7c) (W/H/D)</td>
<td>69,2/54/44,5 cm</td>
</tr>
<tr>
<td>Weight (7)</td>
<td>ca. 75 kg</td>
</tr>
<tr>
<td>Weight (7c)</td>
<td>ca. 95 kg</td>
</tr>
<tr>
<td>Spindle</td>
<td>300 W, 60,000 rpm.</td>
</tr>
<tr>
<td>Tool changer</td>
<td>Automatic tool changer (16 slot) with tool length sensor and tool breakage detection</td>
</tr>
<tr>
<td>Blank changer (7c)</td>
<td>8 Magazines</td>
</tr>
<tr>
<td>Compressed air</td>
<td>6 bar</td>
</tr>
<tr>
<td>Rotary swivel axis</td>
<td>360°</td>
</tr>
<tr>
<td>Connection</td>
<td>100 – 240 V · 50/60 Hz</td>
</tr>
<tr>
<td>Article No (D7)</td>
<td>70-1180</td>
</tr>
<tr>
<td>Article No (D7c)</td>
<td>70-1181</td>
</tr>
</tbody>
</table>

Service
- Service 1 year bring-in guarantee on all components
- Basic instruction at R+K CAD/CAM in Berlin or with one of our regional partners

CAM-Software
- Easy to use, specially adapted for the dental industry
- Integrated control software for the easy export of CAM data sets
- Tool and material library for the dental industry

Processable Materials
Glass ceramic*, Zirconium, Composite, Wax

PMMA

*Only with Organical® Desktop 7c
Organical® Desktop 6

Dry milling machine

5-axis dry milling machine for a particularly wide indication spectrum.

With the Organical® Desktop 6 you receive a five axis dry milling machine for a particularly wide indication spectrum. The B axis with its exceptionally large range of rotation of up to ± 35 degrees and also the clamping device for blanks up to a thickness of 40 mm guarantee that you can implement virtually every type of work which can be dry milled. The particularly stable design of the Organical® Desktop 6 also guarantees first-class processing results. Numerous comfort features such as an automatic tool changer or a practical draw for accessories make working with the Organical® Desktop 6 fast and efficient.

Highlights Organical® Desktop 6

- 5 simultaneous working axes
- Automatic changer for 16 tools
- High-performance and very precise synchronous spindle
- Blanks up to 40 mm thick
- top-performing and high-precision synchronous spindle

Technical Data Organical® Desktop 6

Dimensions (W/H/D): 45/63/53 cm,
Weight: Approx. 91 kg
Spindle: 300 W, 60,000 rpm
Compressed air: 6 bar, 40 l/min
8 bar, 50 l/min
Rotary swivel axis A: Range of rotation up to 360°
Rotary swivel axis B: Range of rotation up to ± 35°
Connection: 100 – 240 V · 50/60 Hz
Article No: 70-1183

Processable Materials

CoCr  Circonium  Composite  Wax
PMMA  Organic PEEK by JUVORA™  Organic Modelblank

Optional Extras Organical® Desktop

Cabinet 60/92.5/60 cm (W/H/D) offers a great deal of storage room for blanks, tools and accessories, solid granite top, high-quality design.

Switch panel for external vacuum system, switch panel for automatic switching on/off of external vacuum system, controllable via software, energy-saving function.
Organical® Desktop 4life

Organical® Desktop 4life
Dental grinding machine

4-axis dental grinding machine with automatic tool changer and integrated liquid cooling system

The Organical® Desktop 4life is a wet processing machine without an external unit for grinding blocks made of glass ceramic and composites. This new machine, developed from scratch, combines the usual maximum precision and the fast drives of the Organical® machines with a closed liquid cooling system in an extremely compact unit. Eight liquid nozzles arranged in a circle around the spindle provide for a constant cooling of the tool from the tip through to the shaft. With the Organical® Desktop 4life therefore, you receive first class grinding results in a very short space of time.

Technical Data
Organical® Desktop 4life

<table>
<thead>
<tr>
<th>Dimensions (W/H/D):</th>
<th>36/47,1/45,1cm,</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight:</td>
<td>Approx. 50 kg</td>
</tr>
<tr>
<td>Spindle:</td>
<td>300 W, 60,000 rpm.</td>
</tr>
<tr>
<td>Compressed air:</td>
<td>4 bar, 35 l/min</td>
</tr>
<tr>
<td></td>
<td>8 bar, 50 l/min</td>
</tr>
<tr>
<td>Rotary swivel axis:</td>
<td>Area of rotation +190° to -10°</td>
</tr>
<tr>
<td>Connection:</td>
<td>100 – 240 V · 50/60 Hz</td>
</tr>
<tr>
<td>Article No:</td>
<td>70-1182</td>
</tr>
</tbody>
</table>

Processable Materials

- Lava™ Ultimate
- IPS e.max® CAD
- VITA ENAMIC
- VITA SUPRINITY

- Glass ceramic
- Titan premilled Abutmentblank

Highlights Organical® Desktop 4life

- 4 simultaneous working axes
- Automatic tool changer for 8 tools with 2 removable change stations
- Fully integrated liquid cooling system
- No vacuuming necessary
- Pneumatic stainless steel chuck for tools with 3mm shaft diameter and max. 35mm total length

Service

- Service 1 year bring-in guarantee on all components
- Basic instruction at R+K CAD/CAM in Berlin or with one of our regional partners

CAM-Software

- Easy to use, specially adapted for the dental industry
- Integrated control software for the easy export of CAM data sets
- Tool and material library for the dental industry
Organical® Desktop 3

With automatic tool changer

4-axis milling machine with integrated clamping device

- Compressed air 6 bar
- Automatic tool changer for 7 tools with length sensor

Highlights Organical® Desktop 3

- 4-axis dry milling
- Integral clamping device for blanks with Ø 98.5 mm and with thicknesses of 10–25 mm
- Manual spindle collet chuck for tools with 3 mm shaft diameter
- Maximum precision and excellent surfaces due to the quality spindle (Jäger)

Technical Data Organical® Desktop 3

Dimensions (W/H/D): 40/38.5/41 cm

Weight: Approx. 45 kg

Spindle: 240 W, 60,000 rpm

Tool changer: Automatic tool changer (7-slot) with length sensor- nation and tool breakage monitoring

Compressed air: 6 bar

Rotary axis: 360°

Connection: 100 – 240 V · 50/60 Hz

Article No (D3): 70-1082

Processable Materials

<table>
<thead>
<tr>
<th>Zirconium</th>
<th>PMMA</th>
<th>Wax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic PEEK by JUVORA™</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

100% PEEK-OPTIMA LT1

Composite
**Organical® Mill 2.0 is a CAM software for creating data for controlling the milling machine**

With its help, various restorations can be produced using all sorts of materials, such as zirconium.

The individual processes have been specifically adapted for dental technology procedures and as a result, the menu structure is user-friendly and suited to the dental technician.

**Setting options**

The user can programme various settings depending on material and restoration, e.g. shrinkage factor, shape of blank.

Optimal milling strategies can be selected for all types of restorations, such as bridges. These pre-programmed milling strategies are used daily at R+K CAD/CAM and ensure maximum precision. After positioning the object in the blank, it is secured. Supports can be used with all materials (retention).

It will only need a minimal amount of subsequent work due to the optimized milling strategy. The quiet running of the milling machine guarantees a long service life of the mechanical components and mills, as well as a perfect milling result.

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**Organical® Mill 2.0 offers**

**Improved handling**

- Loading and material-efficient calculation of several jobs per blank
- Simultaneous calculation of parallel sessions
- No additional software necessary for milling preparation
- Shorter calculation times
- 64 bit

**Improved milling strategies**

- Optimized 5-axis simultaneous milling options
- Improvement of the surface quality
- Shorter milling times

**Improved safety**

- Autosave
- Improved collision monitoring
- Integrated CAM simulator

---

CAM software Organical®Mill 2.0
Licence, Article No.: 71-2004
From second year of use, Article No.: 71-2005
Latest Desktop

3D Printer Technology at a sensational price

With the Formlabs Form 2 3D printer, you can obtain perfect shapes, smooth surfaces and dimensionally stable structures. Operation is simple and intuitive.

Thanks to its high precision and compact size (despite the large amount of space), it is equally suitable for dental and practice laboratories.

Prosthetic/orthodontic models based on intra- and extra-oral scan data, burnout restorations or other dental applications: The Formlabs Form 2 offers you a wide spectrum for simple in-house production.

PreForm software – download free of charge

With the PreForm software, you can prepare your models for printing in just a few minutes and can commence printing immediately. In addition, the PreForm “one-click print function” positions the model automatically in the available space in the printer, adds supporting structures and determines the optimal order.

Reliable model production

In no time at all, you can produce models, splints, drilling templates, customized impression trays, burn-out crowns, bridges, attachments and even model castings.

Formlabs Form 2 enables orthodontic practices, for example, to produce quickly and cost efficiently digitally archived models.

Intraoral scanners can replace the manual impression process more often and is also of benefit of the patients as the downstream workflow in the laboratory is from now on guaranteed to be more efficient and to produce greater precision.

Range of dental materials

A product range which is continually being extended with standard and functional synthetic resins means you can find print solutions for the most varied dental and other applications.
3D Printer Asiga MAX DLP

D Printer Asiga MAX DLP

High-precision with ±31 µm thanks to 385 nm UV-LEDs in combination with a full HD DLP chip | open supplier material system | foolproof operation | fast, reliable and cost-effective, generative production of dental models, burn-out crowns, bridges and certified class IIa medical products, such as orthodontic equipment, drilling and x-ray templates, occlusal splints and fixation splints | available in Summer 2017

Slide and Separate ™ technology

The proprietary Slide- und Separate- (SAS™) technology from Asiga breaks new ground in the Freeform PRO2™, allowing a large design size whilst maintaining lowest manufacturing forces of an upside down stereolithography system. The result is minimal supporting structures and reliable accuracy for sophisticated, direct manufacturing applications.

High-performance materials

Asiga produces a wide range of photopolymer resins for various applications, such as jewellery casting and high temperature components.

All Asiga printers are open so that you can print all suitable materials from any supplier.
ORGANICAL® Dental Implant

Implant planning and drill templates - construction software

ORGANICAL® Dental Implant is based on a patented, seamless, digital workflow which offers the dentist inserting the implant, his dental technician and ultimately the patient, more process reliability.

All relevant, surgical information about a specially designed DVT diagnostic template is captured in images and transferred into the relevant implant planning software for further use.

A unique, software-based implemented zero point referencing allows for the subsequent, precise transmission of all holes which are to be digitally milled into the DVT diagnostic template with a tight zero point clamping system, such as Organical® Desktop 8 milling machine. This procedure demonstrably reduces to a minimum the production tolerances as well as the average deviation of the implant base.

The most precise system on the market

Patented, zero point calibrated holding and clamping system for correctly positioning and offering the most cost effective manufacture of high-precision implant drilling templates without digital reversal processes through 1:1 transmission of the holes that are to be milled in the diagnostic template.*
**Automatic functions for more comfort**

Registration with computer-assisted recognition of the reference spheres and automated arrangement of the appropriate implant sizes according to individual positioning and sizing of the cavities – a time-consuming matching of the DVT data files with intra-/extraoral captured model data is not necessary. No maximum file size when importing the STL files allows the processing of high-resolution data for more precision.

The pre-installed library of the implant planning software includes implants and sleeve systems from a large number of manufacturers – also systems that are rarely used can be integrated upon request.

**Tested quality**

5-fold safeguard for the treatment team and the patient by measuring the completed implant drilling template with a calibrated test bench on the X, Y and Z axis, the diameter and the depth stop in relation to the sleeve system.

- Organical® Dental Implant test bench

- Determination of precise μm data for comparison of accurate position of the opening in the test protocol

---

**Organical Dental Implant**  
**Art.Nr.:** 71-1400
System Components, Material and Accessories
Organical® Heat L – 1800°C
Sintering furnace for Y-zirconium and dental ceramics
Connection: 230 Volt AC / 16 A
Dimensions (W/H/D): 730/810/600 mm
Weight: 92 kg
Stacking height: 100 mm
Support surface: 140 mm
Properties: 6 individual programmes
Article No.: 70-1200

Organical® Heat M – 1650°C
Sintering furnace for Y-zirconium and dental ceramics
Connection: 230 Volt AC / 16 A
Dimensions (W/H/D): 670/750/560 mm
Weight: 87 kg
Stacking height: 95 mm
Support surface: 120 mm
Properties: 6 individual programmes
Article No.: 70-1202

Organical® Heat S – 1600°C
Sintering furnace for Y-zirconium and dental ceramics
Connection: 230 Volt AC / 10 A
Dimensions (W/H/D): 450/660/390 mm
Weight: 62 kg
Stacking height: 70 mm
Support surface: 100 mm
Properties: 6 individual programmes
Article No.: 70-1201

Organical® Heat HT – 1650°C
Sintering furnace for Y-zirconium and dental ceramics
Connection: 230 Volt AC / 16 A
Dimensions (W/H/D): 500/800/600 mm
Weight: 75 kg
Stacking height: 70 mm
Support surface: 110 mm
Properties: 30 individual programmes
Article No.: 70-1204

Organical®-Exhaust L
High performance vacuum system for all large Organical® milling machines
Connection: 230 Volt AC / 10 A
Dimensions (W/H/D): 380/720/560 mm
Weight: 35 kg
Air circulation: 480 m³/hour
Properties: Large vacuum system with fine particle filter, low noise level, narrow tower casing, extra large filter volume, easy filter maintenance from the front with filter basket unit, fill-level indicator
Article No.: 70-1300

Organical®-Exhaust S
Compact vacuum system for all Organical® Desktop milling machines
Connection: 230 Volt AC / 10 A
Dimensions (W/H/D): 410/330/350 mm
Weight: 14 kg
Air circulation: 240 m³/hour
Properties: Small vacuum system with fine particle filter, space-saving, low noise level, speed freely adjustable, quick maintenance access
Article No.: 70-1087
### Organical® Blanks

#### Organic Zirconium translucent + opaque*

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Height (mm)</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 100−1 mm, H ± 0.2 mm without groove</td>
<td>10.00 (67-1000)</td>
<td>14.00 (67-1001)</td>
</tr>
<tr>
<td>Ø 99−1 mm, H ± 0.2 mm with groove</td>
<td>18.00 (67-1002)</td>
<td>22.00 (67-1003)</td>
</tr>
<tr>
<td>26.00 (67-1004)</td>
<td>25.00 (67-1005)</td>
<td></td>
</tr>
</tbody>
</table>

**Composition:** Translucent: ZrO₂/HfO₂/Y₂O₃ > 99.0 wt%, Y₂O₃: 4.5−5.5 wt%, HfO₂: <5.0 wt%, Al₂O₃: <0.1 wt%; other oxides: <0.5 wt%

Opaque: like translucent but: Al₂O₃: 0.2−0.3 wt%, other oxides: <0.5 wt%

#### Organic Zirconium Esthetic

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Height (mm)</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 99−1 mm, H ± 0.2 mm</td>
<td>14.00 (67-1214)</td>
<td>18.00 (67-1218)</td>
</tr>
<tr>
<td>20.00 (67-1220)</td>
<td>25.00 (67-1224)</td>
<td></td>
</tr>
</tbody>
</table>

**Composition:** ZrO₂/HfO₂/Y₂O₃ > 99.0 wt% of which Y₂O₃: 9.3 +/- 0.30 wt%, HfO₂: <5.0 wt%; Fe₂O₃: <0.1 wt%; Al₂O₃: <0.1 wt%; O₂: <0.1 wt%; Na₂O: <0.04 wt%

#### Organic Zirconium Translucent Colour

<table>
<thead>
<tr>
<th>Colour</th>
<th>Height (mm)</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>12.00 (67-0512)</td>
<td>14.00 (67-0514)</td>
</tr>
<tr>
<td>16.00 (67-0516)</td>
<td>18.00 (67-0518)</td>
<td></td>
</tr>
<tr>
<td>20.00 (67-0520)</td>
<td>25.00 (67-0525)</td>
<td></td>
</tr>
</tbody>
</table>

**Composition:** ZrO₂ / HfO₂ / Y₂O₃ > 99.0 wt% of which Y₂O₃: 8.5−9.6 wt%; HfO₂: <5.0 wt%; Al₂O₃: <0.1 wt%; Fe₂O₃: <0.1 wt%; Na₂O: <0.04 wt%

#### Organic Zirconium Esthetic Colour

<table>
<thead>
<tr>
<th>Colour</th>
<th>Height (mm)</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>12.00 (67-0712)</td>
<td>14.00 (67-0714)</td>
</tr>
<tr>
<td>16.00 (67-0716)</td>
<td>18.00 (67-0718)</td>
<td></td>
</tr>
<tr>
<td>20.00 (67-0720)</td>
<td>25.00 (67-0725)</td>
<td></td>
</tr>
</tbody>
</table>

**Composition:** ZrO₂ / HfO₂ / Y₂O₃ > 99.0 wt% of which Y₂O₃: 8.5−9.6 wt%; HfO₂: <5.0 wt%; Al₂O₃: <0.1 wt%; Fe₂O₃: <0.1 wt%; Na₂O: <0.04 wt%

#### Organic Zirconium Multi Colour

<table>
<thead>
<tr>
<th>Colour</th>
<th>Height (mm)</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>14.00 (67-1001)</td>
<td>18.00 (67-1002)</td>
</tr>
<tr>
<td>22.00 (67-1003)</td>
<td>25.00 (67-1004)</td>
<td></td>
</tr>
</tbody>
</table>

**Composition:** ZrO₂ / HfO₂ / Y₂O₃ > 99.0 wt% of which Y₂O₃: 5.65 +/- 0.20 wt%; HfO₂: <5.0 wt%; Al₂O₃: <0.3 wt%; Fe₂O₃: <0.2 wt%; Na₂O: <0.04 wt%
Organical® Blanks

Organic CoCr

Ø 98.5 mm

without groove
Height  Art. No.
8.0 mm (67-2108)
10.0 mm (67-2109)
12.0 mm (67-2110)
13.5 mm (67-2112)
15.0 mm (67-2113)
18.0 mm (67-2118)
20.0 mm (67-2120)

Composition:
Co 61.1 %, Cr 32.0 %, Mo 2.5 %, Si 0.7 %, Mn 0.7 %

with groove
Height  Art. No.
10.0 mm (67-2010)
12.5 mm (67-2011)
15.0 mm (67-2012)
18.0 mm (67-2014)

Organic Wax blue + green

Ø 98 mm

Height  Art. No.
20.0 mm (67-3315)

Composition: Synthetic wax

Organic Pure Titanium

Ø 98.8 mm ohne Nut
Ø 98.4 mm mit Nut

without groove
Height  Art. No.
10.0 mm (67-2010)
12.0 mm (67-2011)
13.5 mm (67-2012)
15.0 mm (67-2013)
18.0 mm (67-2014)

with groove
Height  Art. No.
10.0 mm (67-2010/I)
12.5 mm (67-2011/I)
15.0 mm (67-2012/I)
18.0 mm (67-2014/I)

Composition: Ti 99.9 %

Organic Titanium Niobium

Ø 98.8 mm

without groove
Height  Art. No.
10.0 mm (67-2000)
12.0 mm (67-2001)
13.5 mm (67-2002)
15.0 mm (67-2003)
18.0 mm (67-2004)
20.0 mm (67-2005)

with groove
Height  Art. No.
10.0 mm (67-2000/I)
12.5 mm (67-2001/I)
15.0 mm (67-2002/I)
18.0 mm (67-2003/I)

Composition: Ti 86.9 %, Nb 6.5 – 7.5 %, Al 5.5 – 6.5 %, Ta < 0.5 %,
Fe < 0.25 %, O < 0.2 %, C < 0.08 %, N < 0.05 %, H < 0.009%

Organic PMMA – clear

Ø 98 mm

without groove
Height  Art. No.
16.0 mm (67-3503)
20.0 mm (67-3603)

with groove
Height  Art. No.
16.0 mm (67-3703)
20.0 mm (67-3803)

Composition: Polymethylmethacrylate Polyalkylmethacrylate
(Copolymerisate)* Derivative of the barbituric acid, opacifying agent:
Perylene and iron oxide pigments methyl-methacrylate, cross-linking agent: Traces: quaternary ammonium salt, copper (I) salt, stabilizers, screening agent

Organic PMMA – colour A2, A3, B1

Ø 98 mm

without groove
Height  Art. No.
16.0 mm A2 (67-3500)
16.0 mm A3 (67-3501)
16.0 mm B1 (67-3502)
20.0 mm A2 (67-3600)
20.0 mm A3 (67-3601)
20.0 mm B1 (67-3602)

with groove
Height  Art. No.
16.0 mm A2 (67-3700)
16.0 mm A3 (67-3701)
16.0 mm B1 (67-3702)
20.0 mm A2 (67-3800)
20.0 mm A3 (67-3801)
20.0 mm B1 (67-3802)

Composition: Highly cross-linked polymethylmethacrylate, methylmethacrylate > 1%

Organic PEEK by Juvora

Ø 98.4 mm

without groove
Height  Art. No.
16.0 mm (67-3900)
18.0 mm (67-3901)
20.0 mm (67-3902)
22.0 mm (67-3903)
25.0 mm (67-3904)
30.0 mm (67-3905)

with groove
Height  Art. No.
16.0 mm (67-3906)
18.0 mm (67-3907)
20.0 mm (67-3908)
22.0 mm (67-3909)
25.0 mm (67-3910)
30.0 mm (67-3911)

Composition: 100% Polyetheretherketon (PEEK)

Organic plates for producing models

Organic Plate 100x100x30 mm (67-6000)
Organic Plate 100x100x25 mm (67-6001)
Organic Plate 100x100x20 mm (67-6002)
Organic Plate 100x100x15 mm (67-6003)
Organic Plate d1=98/d2=93.5x30 mm with groove (67-6004)
Organic Plate d1=98/d2=93.5x25 mm with groove (67-6005)
Organic Plate d1=98/d2=93.5x20 mm with groove (67-6006)
Organic Plate d1=98/d2=93.5x15 mm with groove (67-6007)

Organic Plate 100x100x30 mm (67-6000)
Organic Plate 100x100x25 mm (67-6001)
Organic Plate 100x100x20 mm (67-6002)
Organic Plate 100x100x15 mm (67-6003)
Organic Plate d1=98/d2=93.5x30 mm with groove (67-6004)
Organic Plate d1=98/d2=93.5x25 mm with groove (67-6005)
Organic Plate d1=98/d2=93.5x20 mm with groove (67-6006)
Organic Plate d1=98/d2=93.5x15 mm with groove (67-6007)
Organical® Accessories 4x-M to Multi/S

Blank holder (Multi/S + 4X-M + 5X-M)

- Zirconium
  - 10.0 mm, Art. No.: 68-1430
  - 14.0 mm, Art. No.: 68-1432
  - 18.0 mm, Art. No.: 68-1435
  - 22.0 mm, Art. No.: 68-1436
  - 26.0 mm, Art. No.: 68-1431
- Acrylic
  - 16.0 mm poly, Art. No.: 68-1437
  - 18.0 mm poly, Art. No.: 68-1438
  - 20.0 mm poly, Art. No.: 68-1429
  - 25.0 mm poly, Art. No.: 68-6025
  - 30.0 mm poly, Art. No.: 68-6030

Blank holder (Multi/S)

- For abutment blanks, priti® crowns and glass ceramic
  - Art. No.: 68-1476
  - Incl. 6 adapters for Organical pre-milled blanks and ceramic blocks

Blank holder (Multi/S + 4X-M + 5X-M)

- Metal
  - 10.0 mm, Art. No.: 68-1470
  - 12.0 mm, Art. No.: 68-1471
  - 13.5 mm, Art. No.: 68-1472
  - 15.0 mm, Art. No.: 68-1473
  - 18.0 mm, Art. No.: 68-1475
  - 20.0 mm, Art. No.: 68-1477

Blank holder (Multi/S)

- Blank holder (Multi/S + 5X)
  - Metal 8 mm, Art. No.: 68-1460

Blank holder (Multi/S)

- Blank holder (Multi/S + 5X)
  - Baltic Denture, Art. No.: 68-1461

Blank holder (Multi/S)

- Blank holder (Multi)
  - Holding fixture for plastic blanks with ø 120 mm
  - Art. No.: 68-1465

Blank holder (Multi/S)

- Blank holder (Multi/S + 4X-M)
  - Art. No.: 68-1468
Organical® Accessories 4x-M to Multi/S

**Burs zirconium + acrylic**

- **Burs zirconium**
  - 0.60 mm, *Art. No.*: 68-1005
  - 1.00 mm, *Art. No.*: 68-1003
  - 2.00 mm, *Art. No.*: 68-1004

- **Burs acrylic**
  - 0.60 mm, *Art. No.*: 68-1007
  - 1.00 mm, *Art. No.*: 68-1044
  - 2.00 mm, *Art. No.*: 68-1047
  - 3.00 mm, *Art. No.*: 68-1048

**Burs metal**

- **Burs CoCr (NPM) + titanium**
  - 0.6 mm, *Art. No.*: 68-1040
  - 1.0 mm, *Art. No.*: 68-1041
  - 2.0 mm, *Art. No.*: 68-1042
  - 2.0 mm flat, *Art. No.*: 68-1050
  - 3.0 mm, *Art. No.*: 68-1043
  - 3.0 mm extra long, *Art. No.*: 68-1044
  - 1.0 mm flat, *Art. No.*: 68-1045

**IPS e.max® Finishing burs**

- **for the Organical® Multi**
  - 0.6 mm, *Art. No.*: 68-1035
  - 1.0 mm, *Art. No.*: 68-1036
  - 2.0 mm, *Art. No.*: 68-1037
  - 3.0 mm, *Art. No.*: 68-1038

**Burs implant metal**

- **Burs implant CoCr (NPM) + titanium**
  - 1.0 mm, *Art. No.*: 68-1015
  - 1.5 mm, *Art. No.*: 68-1016
  - 1.8 mm, *Art. No.*: 68-1017
Organical® Accessories Desktop 8/S

Blank holder Standard Ø 98.5 mm and Ø 120 mm

<table>
<thead>
<tr>
<th>Material</th>
<th>Ø 98.5 mm</th>
<th>Ø 120 mm</th>
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<tbody>
<tr>
<td>Zirconium 10.0 mm</td>
<td>Art.: 68-1480</td>
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<tr>
<td>Zirconium 14.0 mm</td>
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<td>Zirconium 18.0 mm</td>
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<td>Zirconium 22.0 mm</td>
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<td>Zirconium 26.0 mm</td>
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<td>Acrylic 16.0 mm poly</td>
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<td>Acrylic 18.0 mm poly</td>
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<td>Acrylic 20.0 mm poly</td>
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<td>Acrylic 25.0 mm poly</td>
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<tr>
<td>Acrylic 30.0 mm poly</td>
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<tr>
<td>Metal 10.0 mm</td>
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<td>Metal 12.0 mm</td>
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<tr>
<td>Metal 20.0 mm</td>
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</tbody>
</table>

Blank holder Baltic Denture

Art. No.: 68-1482

Blank holder Ceramic blocks

IPS e.max®, LavaTM Ultimate and glass ceramic
Art. No.: 68-1483

Blank holder drilling template

Art. No.: 68-1481

Blank holder Premilled

Art. No.: 68-1486
incl. 4 adapters for Organical pre-milled blanks

Adapters for Medentika PreFace® abutments

Art. No.: 68-1468
**Burs zirconium + acrylic**

- **Burs zirconium + acrylic**
  - 0.5 mm, Art. No.: 68-0806

- **Burs zirconium**
  - 0.6 mm, Art. No.: 68-0805
  - 1.0 mm, Art. No.: 68-0803
  - 2.50 mm, Art. No.: 68-0804

- **Burs acrylic**
  - 0.60 mm, Art. No.: 68-0807
  - extra long, Art. No.: 68-0808
  - 1.00 mm, Art. No.: 68-0846
  - 2.00 mm, Art. No.: 68-0847
  - 3.00 mm, Art. No.: 68-0848

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**Burs metal**

- **Burs CoCr (NEM) + titnium**
  - 0.6 mm, Art. No.: 68-0840
  - 1.0 mm, Art. No.: 68-0841
  - 2.0 mm, Art. No.: 68-0842
  - 2.0 mm, flat, Art. No.: 68-0850
  - 3.0 mm, titanium:
    - Art. No.: 68-0843
    - 3.0 mm, CoCr:
      - Art. No.: 68-0843T
      - 1.0 mm flat, Art. No.: 68-0845

**IPS e.max® Finishing burs**

- 0.6 mm, Art. No.: 68-1028
- 1.0 mm, Art. No.: 68-1029
- 2.0 mm, Art. No.: 68-1030

---

**Burs implant metal**

- **Burs implant CoCr (NPM) + titanium**
  - 1.0 mm, Art. No.: 68-0815
  - 1.5 mm, Art. No.: 68-0816
  - 1.8 mm, Art. No.: 68-0817

Images may differ slightly.
Organical® Accessories

Organical® zirconium polishing paste
Handling
For pre-polishing and high-gloss polishing of ceramic and zirconium
Polishing paste zirconium
5g, Art. No.: 68-1251
30 g, Art. No.: 68-1250

Organical® Scan Wax
Modelling wax with attractive handling properties and great opacity. Organical® Scan Wax delivers optimal scan results without additional application of scan spray or powder. Is easily removed through evaporation.
Art. No.: 68-1813

Organical® Anti-Glare Spray
Scan spray for dental CAD/CAM use
Organical® 3D anti-glare spray prevents reflections on objects that are to be scanned
- Industry standard
- Has proved successful in the dental industry
- Contents 400 ml
Organical®-anti-glare spray
Art. No.: 68-1800

REF-LINE Teeth
- Natural morphology of tooth surfaces
- Life-like veneer
- Neck of tooth can be made longer
- Suitable for implant and combined work and also for total prosthetics
- CAD data for prostheses to be produced digitally will soon be made available from 3Shape and exocad
On demand

Organic vest press
Phosphate-bonded investment for press ceramic
6 kg, 60 x 100g
Art. No.: 67-2302

Primodent Teeth (Vita Classic A1-D4)
- 6 set anterior teeth (upper or lower jaw)
- 8 set posterior teeth (upper or lower jaw)
- 28 set (6 anterior teeth upper/lower jaw and 8 posterior teeth upper/lower jaw)

Organic Vest DC*
Organic Vest DC phosphate-bonded investment material for digital model cast
10 kg, 20x 500g
Art. No.: 67-2303

Organic vest cast
Phosphate-bonded investment for all alloys
6 kg, 40 x 150g
Art. No.: 67-2301

* For processing, we recommend "Organic Vest Uni Liquid", 1000 ml, Art.: 67-2304, 16.89 €*
Organical® implant prosthetics – components for dental practices and laboratories are available separately from us

Clearly structured product range of the most popular implant manufacturers of conventional and CAD/CAM based components for sophisticated solutions in the field of screwed and cemented implant prosthetics | intelligent and improved PreFace abutment blanks in connection with a high-precision holding fixture | excellent price advantage even without a discount!

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