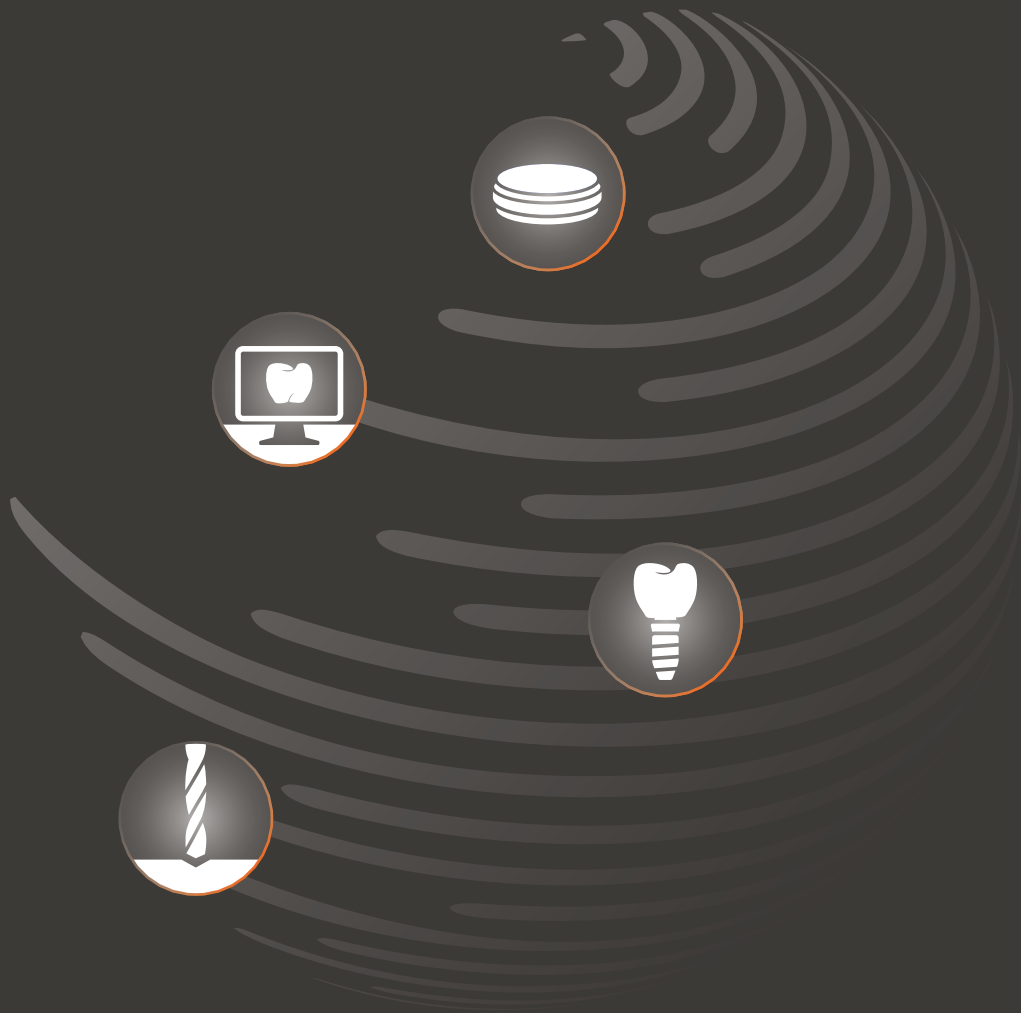




Product Catalog Digital Technologies

CLOSE TO YOU

Welcome to **your** Universe



Materials

Technologies

Implant Components

Milling Services

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Digital Impression

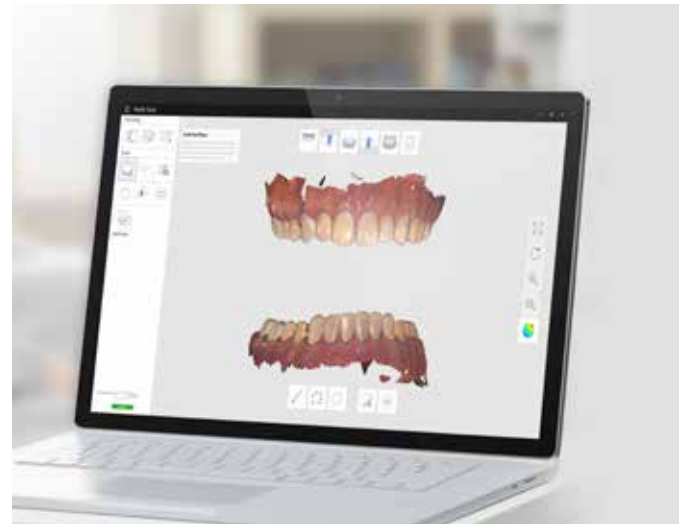
01



reddot design award
Winner 2019

DiOS[®] 4.0

Direct Intraoral Scanning



Digital precision has its price – and ours is the best

The innovative intraoral scanner is available at an unbeatable price and brings together all the advantages of digital impressions. Benefit from lifelike color scans, realistic and accurate images, maximum openness in terms of data exchange and tremendous speed. As a leading German supplier in the field of dental CAD/CAM materials and digital solutions, we enjoy the trust of laboratories, dental technicians and dentists from all over the world. To ensure you can benefit optimally from this digital progress, we offer not only state-of-the-art technology, but also the corresponding expertise.

» We make today's complex digital technology easy. «

Our team comprises experienced CAD/CAM specialists and delivers the expertise concerning the proper application right to your fingertips. Let's shape the successful digital future of your practice together.

With the DiOS® 4.0 we are offering an innovative intraoral scanner which **which combines all the advantages of digital impressions** – and that at an unbeatable price.



Vivid colors



Small tip



Maximum flexibility
.stl, .obj, .ply



Impressive speed
Quadrant: < 30 sec.
Full arch: < 90 sec.



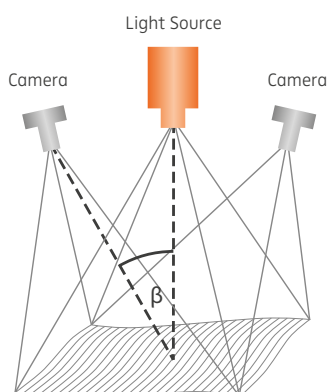
High return on investment



Extremely high resolution
Single-tooth precision: $3.2 \pm 0.49 \mu\text{m}$
Full arch precision: $22.6 \pm 7.55 \mu\text{m}$

Scan method

- Dual Camera Blue LED Projector
- Images are added, not overlaid
- No moving parts in the scanner
- Optical triangulation



Accuracy

	In vitro	
	Trueness	Precision
Single	$5,3 \pm 0,34 \mu\text{m}$	$3,2 \pm 0,49 \mu\text{m}$
Quadrant	$17,3 \pm 0,43 \mu\text{m}$	$6,3 \pm 0,63 \mu\text{m}$
Full arch	$21,0 \pm 1,48 \mu\text{m}$	$22,6 \pm 7,55 \mu\text{m}$

Accuracy test in vitro was conducted by Yonsei University College of Dentistry according to the methods in »Accuracy comparison analysis on scan data of single tooth, quadrant, and full arch«. Ji-Man Park, 19. Dezember 2018

DiOS® 4.0

Direct Intraoral Scanning



Technical data

Scan tip size	19 x 15.2 mm (W x H)
Handpiece length	266 mm
Weight	276 g
Imaging technology	3D-in-motion video technology
Color	3D full color streaming capture
Connectivity	USB 3.0
Scanning area	14 x 13 mm
Scanning depth	until 21 mm
Storage capacity* (in the Medit-Cloud)	Standard capacity 10 GB (optional extension to 1 TB for 20,- EUR per month)

DiOS® 4.0 – single unit

Art.-no.	Contents	Price (euro/net)
CS 4001	DiOS 4.0	15.900,00**

* In the first year, a storage capacity of 1 TB is included.

** Plus shipping costs.

DiOS® 4.0

Direct Intraoral Scanning



ScanScooter

Top mobility in practice



- Medical-grade surfaces are easy to disinfect
- Drawer for storing the notebook, cooling pad and cable
- Swiveling keyboard for optimal interaction with the patient
- Infinitely height-adjustable allowing standing and sitting tasks
- Smooth rollers for all floor coverings

DiOS® 4.0 handpiece



High-performance notebook



Touchscreen monitor



Medical-grade mouse



Medical-grade keyboard



ScanScooter



DiOS® 4.0 – system

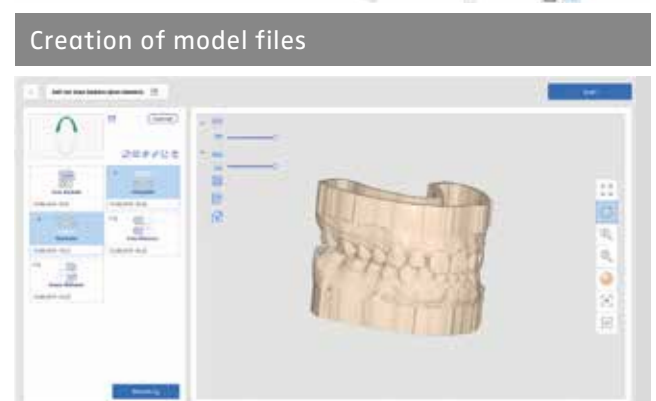
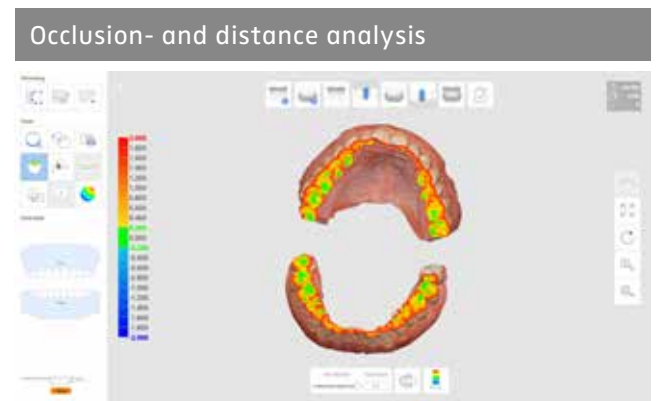
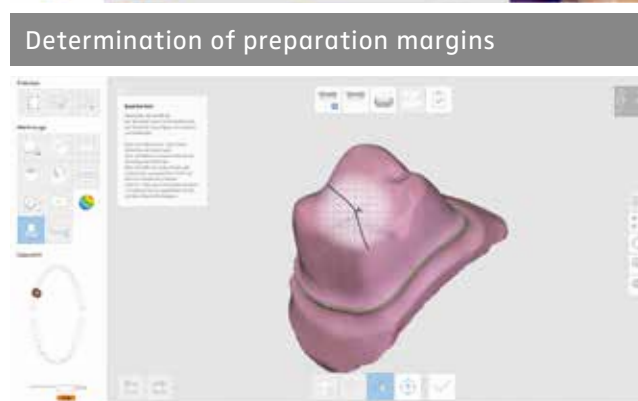
Art.-no.	Contents	Price (euro/net)
CS 4001.2	DiOS 4.0 – system	20.900,00*

* Plus shipping costs.

DiOS is manufactured by MEDIT. The design of delivered equipment, material or accessories may differ slightly from the illustrations.

Perfect combination of hardware and software

The use of the DiOS® 4.0 and the corresponding software requires only minimal training and matches seamlessly into your existing practice workflows.



CAD Systems

02

T500 by MEDIT

With our package, the T500 by MEDIT and the tried and tested construction software 3D-Designer by exocad®, we offer a complete solution that leaves nothing to be desired, at an unbeatable price. Take advantage of our complete CAD system, which includes two of the most popular extension modules to go with the 3D-Designer by exocad® software – the DD Virtual Articulator and the DD Implant Module.

- Optical phase shifting
- Excellent precision (< 7 µm)
- Extensive software



Scope of delivery

T500 Scanner by MEDIT

- 1 screw base jig
- 1 calibration panel
- 1 flexible multi-die
- 1 multi-die jig
- 1 gum base jig
- 1 articulator plate
- 1 KAS jig (KaVo, Artex, SAM)



DD Designer by exocad® – bundle

The Dental Direkt bundle includes the basis exocad® software and the two modules „DD Virtual Articulator“ and „DD Implant Module“. With this solution, you have a perfect package for the start into the digital workflow.

PC

High performance PC with Intel Core i7, Windows 10 Pro
64-Bit, 24“ FullHD monitor, keyboard and mouse

Detailed descriptions of the individual components on the following pages

Art.-Nr.	Inhalt	Preis (Euro/netto)
S 300	T500 system T500 by Medit, 3D-Designer Basis by exocad®, 2 CAD modules, PC	20.490,00

T500 is manufactured by MEDIT

T500 by MEDIT

Conquer the digital world with the smartest of its kind

Maximum productivity due to speed and intuitive operation, functionality and flexibility combined in one device. The T500 is the next generation of innovative scanners which sets new standards.

Technical data

Free data interface (.stl)

Multi die function

2 x 2.0 MP-HD camera

Accuracy: < 7 µm

Performance: 100 – 240V, 50 – 60 Hz

Weight: 12 kg

Dimensions (W x H x D): 290 x 290 x 340 mm



NEW

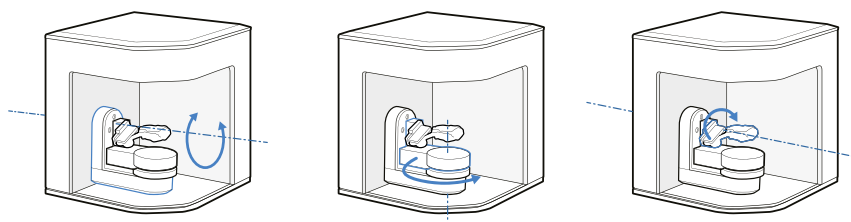
CAD Systems

pressio

Single-die	16 dies in 19 sec.
Three-arch bridges	31 sec.
14-arch bridges	31 sec.
Full arch	12 sec.

Add on automatic 3-axis impression scan

- Two-sided automatic impression scan in just one step
- Same accuracy as model scans
- Speed-up of workflow
- Material cost savings



The new all-rounder in our portfolio.

If you prefer it faster but also highly accurate.

- Maximum productivity in the workflow
- Flexible multiscan up to 16 dies
- Impression scan
- Intuitive operation
- Numerous intelligent features such as e.g. touch sensor
- .stl files can be exported in every step
- Free-of-charge updates /-grades
- Integrated implant libraries for alignment
- Various optional accessories: e.g. KAS jig (KaVo, Artex, SAM), 3-axis-arm

DD Designer by exocad®

A whole laboratory in one software

The design software Dental Direkt Designer by exocad® is the heart of the system. You create your dental models at the highest level and at the same time you are supported in your work by the intuitive user interface of the software. Reliable preparation lines recognition and an automatic bridge design with joint configuration increase the efficiency of your working method. It is thus the perfect solution for CAD novices and advanced users alike. Even the basic version offers an immense range of functions covering the majority of dental technical applications. Of course you can produce constructions in all commonly used materials.

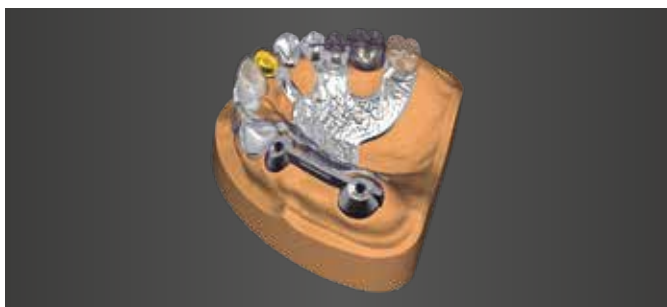
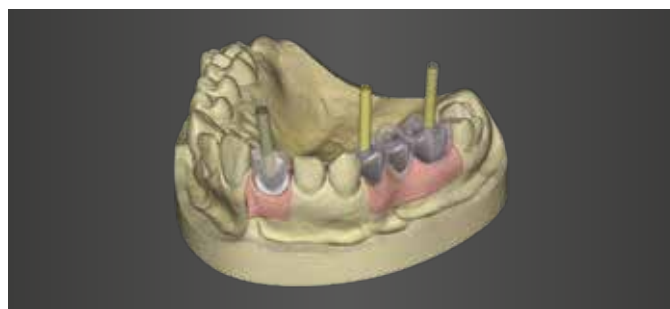


Indication of the basic software

- Inlays, onlays and veneers
- Wax-ups
- Primary telescopes
- Reduced crowns and bridges
- Copings and bridge frameworks of any span
- Fully anatomical crowns and bridges

Advantages Dental CAD 2.3 Matera

- Dentalshare webview with authentic 3D-preview-links
- Quick sectional view with new measuring functions
- Highly improved coloring texture of intraoral scans
- Numerous improvements in terms of handling and power
- Free choice of the guidance face in the articulator movement
- Improved adaption on approximal contacts



Illustrations may include optional modules.

CAD Modules – more than just options

Open for perfect data quality. Complete the system with the exocad modules and use every opportunity to maximize your added value.

This modular system offers maximum flexibility - you can combine your solution completely individually according to your requirements.



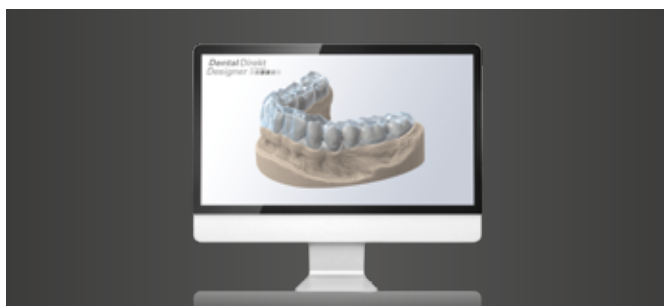
DD Virtual Articulator

Art.-no.	Price (euro/net)
S 105.1	700,00



DD Implant Module

Art.-no.	Price (euro/net)
S 104.1	1.600,00



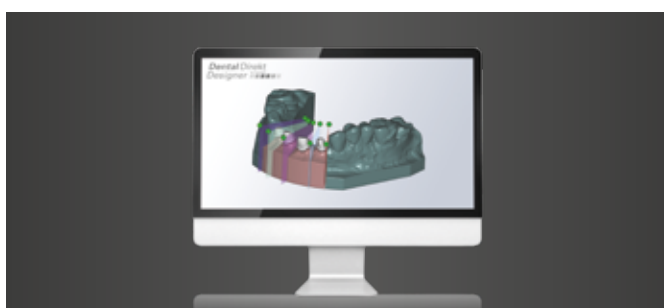
DD Bite Splint Module

Art.-no.	Price (euro/net)
S 115.1	1.600,00



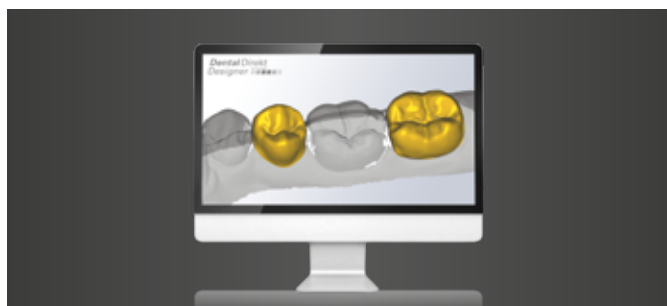
DD Bar Module

Art.-no.	Price (euro/net)
S 107.1	1.600,00



DD Model Creator

Art.-no.	Price (euro/net)
S 116.1	2.000,00



DD Provisional Module

Art.-no.	Price (euro/net)
S 117.1	590,00



DD Tooth Library

Art.-no.	Price (euro/net)
S 121.1	500,00



DD TruSmile

Art.-no.	Price (euro/net)
S 109.1	600,00



DD DICOM Viewer

Art.-no.	Price (euro/net)
S 114.1	500,00



DD Partial Framework Module

Art.-no.	Price (euro/net)
S 131	1.900,00



DD Full Denture Module

Art.-no.	Price (euro/net)
S 135	1.900,00



DD Jaw Motion Import

Art.-no.	Price (euro/net)
S 132	750,00



DD Smile Creator

Art.-no.	Price (euro/net)
S 136	1.400,00

Exoplan by exocad®

Exceptional flexibility in the digital workflow

Discover the powerful implant planning and surgical guide design software exoplan by exocad® – created to provide dental labs, dentists, implant specialists and surgeons with maximum flexibility. Based on the well-known exocad platform, exoplan guarantees a seamless digital workflow and the highest usability and performance.

Advantages

- Open, vendor-neutral software for open 3D scanners, 3D printers or milling machines
- Seamless integration with DD Designer by exocad® (facilitates planning and production of implant, temporary and final prostheses)
- With Wizard (step-by-step user guide) and expert mode with extensive supplementary features and tools
- High speed in processing of large files
- Intuitive and innovative

DD Guide Creator by exocad®

After implant planning is before designing the surgical guide

With the DD Guide Creator Module you can design your own surgical guides and manufacture them in-house with your 3D printer or milling machine to maximize the return on hardware investments. Thanks to the standard data format .stl, you have a free choice of hardware and production center.

Advantages

- Same technical platform as exocad®
- Seamless transfer with DD designer by exocad®
- Wizard (step-by-step user guide)
- User-friendly open software, therefore in-house production possible
- Comprehensive library of implant systems such as Straumann®, Zimmer® etc. and various prosthetic components

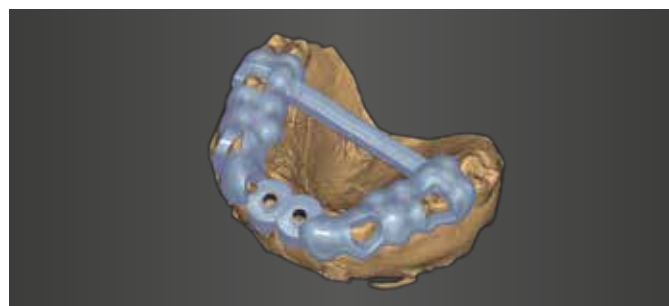
Bundle Exoplan with DD Guide Creator

Exoplan and Guide Creator are manufactured by exocad®



Exoplan Core Version flex

Art.-no.	Price (euro/net)
S 133	980,00



DD Guide Creator

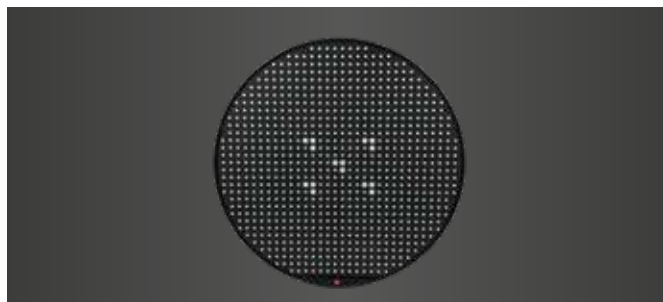
Art.-no.	Price (euro/net)
S 134	2.850,00

Bundle Exoplan with DD Guide Creator

Art.-no.	Price (euro/net)
S 133.2	3.450,00

Accessories for T500 by Medit

Complete your 3D scanner with the right accessories and make your workflow even more efficient.



Calibration panel

Art.-no.	Article	Price (euro/net)
S 310	Calibration panel	750,00



Gum base jig

Art.-no.	Article	Price (euro/net)
S 311	Gum base jig	300,00



Screw base jig

Art.-no.	Article	Price (euro/net)
S 312	Screw base jig	300,00



Multi-die jig

Art.-no.	Article	Price (euro/net)
S 313	Multi-die jig	375,00



Half block jig

Art.-no.	Article	Price (euro/net)
S 314	Half block jig	225,00



Articulator plate

Art.-no.	Article	Price (euro/net)
S 316	Articulator plate	375,00



KAS jig (KaVo, Artex, SAM)

Art.-no.	Article	Price (euro/net)
S 317	KAS jig	375,00



Flexible Multi-die

Art.-no.	Article	Price (euro/net)
S 318	Flexible Multi-die	600,00



3-axis-arm (necessary for impression scans)

Art.-no.	Article	Price (euro/net)
S 319	3-axis-arm	950,00

LabTec Milling Machines

03

LabTec ONE

The LabTec ONE is perfect for processing all standard CAD/CAM blocks up to a size of 65 x 40 x 20 mm. Due to the excellent axis kinematics, the machine is also suitable for processing premilled abutments. With the integrated PC and touch display, the LabTec ONE is very user friendly. The 3-fold block holder and six tool positions ensure a cost-effective machining process at highest quality.



Technical data	Description
Materials	
Materials	Preform Abutments, zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	CAD/CAM blocks (1-fold and 3-fold adapter), maxi blocks (65 x 40 x 20 mm), DD Prefabs, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	4-axis processing
Rotary axis travel angle	360° processing possible
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	100.000 rpm/min / 0,6 kW
Axle drive / spindle motor	Microstep motors
Tool holder	3 mm shaft
Tool changer	6-fold
Blank changer / workpiece changer	Manual, 3-fold adapter
Connection requirements	
Weight	65 kg
Width x depth x height	380 x 495 x 600 mm
Line voltage / frequency / maximum capacity	100 V – 240 V / 50/60 Hz
Pressure / quantity	2 bar
Suction	iVac eco+ / Silent Compact CAM
Art.-no. Price (euro/net)	
CAM 0916	23.950,00

LabTec 25 Pro Loader

The compact 5-axis milling machine opens up a completely new machine segment. The LabTec 25 Pro Loader offers automation and 5-axis simultaneous processing of blanks and blocks. While requiring only minimum space the machine convinces at an attractive price-performance ratio. The milling system has a fully-automatic 10-fold tool changer with 3 mm milling tools as well as an integrated touch screen monitor. With the monitor, the machine can be intuitively operated with the latest generation of SmartControl control software.



Technical data	Description
Materials	
Materials	Zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics, titanium
Compatibility	98 mm/ 98,5 mm blanks, CAD/CAM blocks (3-fold adapter), Lava® frames, DD Prefabs, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous processing
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	100.000 rpm/min / 0,6 kW
Axle drive / spindle motor	Microstep motors
Tool holder	3 mm shaft
Tool changer	10-fold
Blank changer / workpiece changer	Fully automatic, 6-fold (6 blank holders included)
Connection requirements	
Weight	115 kg
Width x depth x height	780 x 610 x 710 mm
Line voltage / frequency / maximum capacity	100 V – 240 V / 50/60 Hz / 900 W
Pressure / quantity	3 bar constant supply, 50 litre/minute, optional integrated compressor
Suction	iVac eco+ / Silent Compact CAM
Art.-no. Price (euro/net)	
CAM 920.2	34.950,00

LabTec 25 dry

The LabTec 25 dry is a compact 5-axis milling machine for dry processing. With a simple connection to the CAM software, easiest tool management and disk fitting, you will realise an excellent result in no time. Use the LabTec 25 dry to process all commonly used materials, such as zirconium- and aluminium oxide, PMMA, composite and wax in dry processing.



Technical data	Description
Materials	
Materials	Zirconium oxide, aluminium oxide, PMMA, plastics, composite, wax
Compatibility	98 / 98,5 mm blanks, CAD/CAM blocks, Lava® frames
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous processing
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	No
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 0,4 kW
Axle drive / spindle motor	Microstep motors
Tool holder	3 mm shaft
Tool changer	12-fold
Blank changer / workpiece changer	Manual
Connection requirements	
Weight	95 kg
Width x depth x height	544 x 650 x 612 mm
Line voltage / frequency / maximum capacity	100 V – 240 V / 50/60 Hz / 900 W
Pressure / quantity	3 bar constant supply, 60 Litre/minute
Suction	iVac eco+ / Silent Compact CAM
Art.-no. Price (euro/net)	
CAM 920.1	22.950,00

LabTec 25 wet

The LabTec 25 wet is a compact 5-axis milling machine for wet and dry processing. With a simple connection to the CAM software, easiest tool management and disk fitting, you will realise an excellent result in no time. As with the LabTec 25 dry, you can process all commonly used materials, such as zirconium- and aluminium oxide, PMMA, composite and wax. Furthermore, wet processing allows you to machine glass- and hybrid ceramics.



Technical data	Description
Materials	
Materials	Zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	98 / 98,5 mm blanks, CAD/CAM blocks, Lava® frames
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous processing
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 0,4 kW
Axle drive / spindle motor	Microstep motors
Tool holder	3 mm shaft
Tool changer	12-fold
Blank changer / workpiece changer	Manual
Connection requirements	
Weight	95 kg
Width x depth x height	544 x 650 x 612 mm
Line voltage / frequency / maximum capacity	100 V – 240 V / 50/60 Hz / 900 W
Pressure / quantity	3 bar constant supply, only 60 Litre/minute
Suction	iVac eco+ / Silent Compact CAM
Art.-no. Price (euro/net)	
CAM 920	26.950,00

LabTec 35

The LabTec 35 is a 5-axis milling machine that meets all modern requirements for CAD/CAM processing. Hard materials, such as CoCr and titanium can also be processed with ease. You can optionally equip the LabTec 35 with a zero-point clamping system. This facilitates the use of various adapter systems (e.g. abutments, blocks etc.).



Technical data	Description
Materials	
Materials	CoCr/CoCr-alloys, titanium, zirconium oxide, aluminium oxide, PMMA, plastics, composites, waxglass ceramics, hybrid ceramics
Compatibility	98/98,5 mm with step, CAD/CAM blocks, DD Prefabs, Lava® Frames, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous machining
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Integrated
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 1 kW
Axle drive / spindle motor	Servomotors with encoder resolution 0,5 µm
Tool holder	6 mm shaft
Tool changer	12-fold integrated with chip cover
Blank changer / workpiece changer	Manual
Zero-point clamping system	Optional
Connection requirements	
Weight	180 kg
Width x depth x height	758 x 790 x 857 mm
Line voltage / frequency / maximum capacity	100 V – 240 V / 50/60 Hz / 2200 Watt
Pressure / quantity	6,5 – 9 bar constant supply, 80 litre/minute
Suction	iVac eco+
Art.-no. Price (euro/net)	
CAM 0912	39.950,00

LabTec 35 Loader

The LabTec 35 Loader is the allrounder milling machine system that meets all modern requirements for CAD/CAM processing. Milling of all relevant disk materials, such as CoCr, titanium, zirconium oxide, plastics, blocks and future materials on a single machine is thus possible. The LabTec 35 Loader already has an integrated zero point clamping system, which makes the use of a variety of adapter systems possible. The integrated blank changer allows to mill up to 12 blanks, which are changed and processed automatically without monitoring.



Technical data	Description
Materials	
Materials	CoCr/CoCr-alloys, titanium, zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	98/98,5 mm with step, CAD/CAM blocks, DD Prefabs, Lava® frames, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous machining
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 1 kW
Axle drive / spindle motor	Servomotors with encoder resolution 0,5 µm
Tool holder	6 mm shaft
Tool changer	12-fold integrated with chip cover
Blank changer / workpiece changer	Fully automatic (6 blank holders included, expandable up to 12-fold)
Zero-point clamping system	Integrated
Connection requirements	
Weight	225 kg
Width x depth x height	1058 x 790 x 857 mm
Line voltage / frequency / maximum capacity	100 V – 240 V / 50/60 Hz / 2200 Watt
Pressure / quantity	6,5 – 9 bar constant supply, 80 litre/minute
Suction	iVac eco+
Art.-no. Price (euro/net)	
CAM 0912.1	49.950,00

LabTec 35 Pro

The LabTec 35 Pro is a compact high-end milling machine solution. The new machine concept with a body structure made of polymer concrete provides maximum stability for vibration-free machining. The high-resolution dynamic servomotors with absolute measuring systems allow up to 20% faster milling with optimum precision. The LabTec 35 Pro is therefore suitable for the highest demands of the dental lab or milling center combined with a very compact design. With the LabTec 35 Pro all dental CAD/CAM materials can be processed.



Technical data	Description
Materials	
Materials	CoCr/CoCr-alloys, titanium, zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	98/98,5 mm with step, CAD/CAM blocks, DD Prefabs, Lava® Frames, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous machining
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 1 kW
Axle drive / spindle motor	Servomotors with encoder resolution 0,5 µm
Tool holder	6 mm shaft
Tool changer	20-fold
Blank changer / workpiece changer	Manual
Zero-point clamping system	Optional
Connection requirements	
Weight	205 kg
Width x depth x height	758 x 790 x 857 mm
Line voltage / frequency / maximum capacity	100 V-240 V / 50/60 Hz
Pressure / quantity	6,5 – 9 bar constant supply, 80 litre/minute
Suction	iVac eco+
Art.-no. Price (euro/net)	
CAM 0912.6	49.950,00

LabTec 35 Pro Loader

The LabTec 35 Pro is a compact high-end milling machine solution with an advanced automation unit. The new machine concept with a body structure made of polymer concrete provides maximum stability for vibration-free machining. The high-resolution dynamic servomotors with absolute measuring systems allow up to 20% faster milling with optimum precision. The LabTec 35 Pro is therefore suitable for the highest demands of the dental lab or milling center combined with a very compact design. With the LabTec 35 Pro all dental CAD/CAM materials can be processed. The integrated blank changer allows to mill up to 12 blanks, which are changed and processed automatically without monitoring.



Technical data	Description
Materials	
Materials	CoCr/CoCr-alloys, titanium, zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	98/98,5 mm with step, CAD/CAM block, DD Prefabs, Lava® Frames, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous machining
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 1 kW
Axle drive / spindle motor	Servomotors with encoder resolution 0,5 µm
Tool holder	6 mm shaft
Tool changer	20-fold
Blank changer / workpiece changer	Fully automatic (8 blank holders included, expandable up to 12-fold)
Zero-point clamping system	Integrated
Connection requirements	
Weight	250 kg
Width x depth x height	1058 x 790 x 857 mm
Line voltage / frequency / maximum capacity	100 V-240 V / 50/60 Hz
Pressure / quantity	6,5 – 9 bar constant supply, 80 litre/minute
Suction	iVac eco+
Art.-no. Price (euro/net)	
CAM 0912.7	59.950,00

LabTec 35 Pro+

As already implemented in the LabTec 35 Pro, the LabTec 35 Pro+ also comes with high-resolution dynamic servo motors and absolute measuring systems. To use this advanced technology and to be able to fully exploit its full potential, the LabTec 35 Pro+ is equipped with a watercooled, powerful 2.6 kW spindle with 3-fold hybrid ball bearing (water-cooled). Reaching the stability and reducing vibrations is given by the massive stainless steel blank holders. The water cooling ensures a constant temperature of the milling spindle, so thermal expansion of the milling spindle is significantly minimized and enables even more precise milling results.



Technical data	Description
Materials	
Materials	CoCr/CoCr-alloys, titanium, zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	98/98,5 mm with step, CAD/CAM blocks, DD Prefabs, Lava® Frames, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous machining
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 2,6 kW+
Axle drive / spindle motor	Servomotors with encoder resolution 0,5 µm
Tool holder	6 mm shaft
Tool changer	20-fold
Blank changer / workpiece changer	Manuell
Zero-point clamping system	Optional
Connection requirements	
Weight	180 kg
Width x depth x height	758 x 790 x 857 mm
Line voltage / frequency / maximum capacity	110 V-230 V / 50/60 Hz
Pressure / quantity	6,5 – 9 bar constant supply, 80 litre/minute
Suction	iVac eco+
Art.-no. Price (euro/net)	
CAM 0912.8	55.950,00
CAM 0912.9 water-cooled spindle 220V/50Hz	1.680,00

LabTec 35 Pro+ Loader

As already implemented in the LabTec 35 Pro, the LabTec 35 Pro+ also comes with high-resolution dynamic servo motors and absolute measuring systems. To use this advanced technology and to be able to fully exploit its full potential, the LabTec 35 Pro+ is equipped with a watercooled, powerful 2.6 kW spindle with 3-fold hybrid ball bearing (water-cooled). Reaching the stability and reducing vibrations is given by the massive stainless steel blank holders. The water cooling ensures a constant temperature of the milling spindle, so thermal expansion of the milling spindle is significantly minimized and enables even more precise milling results. The integrated blank changer allows to mill up to 12 blanks, which are changed and processed automatically without monitoring.



Technical data	Description
Materials	
Materials	CoCr/CoCr-alloys, titanium, zirconium oxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics
Compatibility	98/98,5 mm with step, CAD/CAM blocks, DD Prefabs, Lava® Frames, nt-Trading Premilled Abutments, Medentika PreFace® Abutments
Mechanics / Electronics	
Number of axis and processing type	5-axis simultaneous machining
Rotary axis travel angle	A-axis +/- 30° / B-axis +/- 25°
Wet processing	Yes
Type of spindle	High frequency spindle
Max. spindle speed	60.000 rpm/min / 2,6 kW
Axle drive / spindle motor	Servomotors with encoder resolution 0,5 µm
Tool holder	6 mm shaft
Tool changer	20-fold
Blank changer / workpiece changer	Fully automatic (8 blank holders included, expandable up to 12-fold)
Zero-point clamping system	Integrated
Connection requirements	
Weight	225 kg
Width x depth x height	1058 x 790 x 857 mm
Line voltage / frequency / maximum capacity	110 V-230 V / 50/60 Hz
Pressure / quantity	6 – 9 bar onstant supply, 60 litre/minute
Suction	iVac eco+
Art.-no. Price (euro/net)	
CAM 0912.9	65.950,00
CAM 0912.9 water-cooled spindle 220V/50Hz	1.680,00

CAM Software

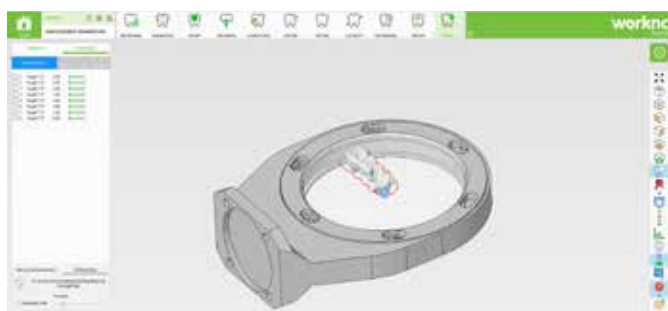
04

DD smart CAM 2.0 powered by worknc Dental

The DD smart CAM 2.0 by worknc Dental is an open and innovative CAM solution for beginners and advanced users. The open CAM system is perfectly optimized for our LabTec milling machines. The fully automated functions ensure time savings and are responsible for precise and reliable results. With the DD smart CAM 2.0, you can process all materials with sophisticated and proven machining strategies.

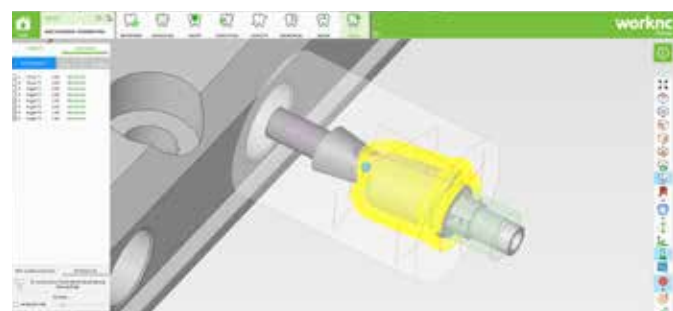
Specifications

- Collision control for machine- and clamping system
- Automatic generation of preparation margins
- Engraving for the identification of the elements
- Various import options
- Automatic nesting
- And much more...



DD smart CAM 2.0 Xpert 5x

The high-end version among the automatic CAM systems. You can use 3+2 axis or 5 axis simultaneous milling with fully automatic undercut machining. The DD smart CAM 2.0 Xpert benefits a lot of automatic algorithms for extra .stl features like automatic margin lines, cavity detection and dynamic altitude analysis.



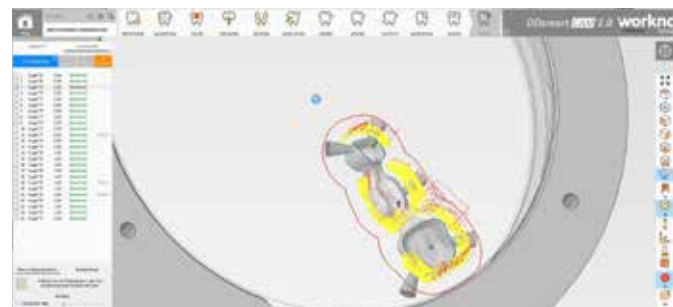
DD smart CAM 2.0 Abutment

The special version enables the high-precision production of individual abutments, in particular from DD Prefabs. This service package is also part of the „Xpert SOFT/HARD“ Version for LabTec 35 machines and can also be used as a stand alone version for the LabTec 35 series and other machine systems.



Materials – DD smart CAM 2.0 Xpert SOFT

Ideal for all applications on LabTec 25 machines: zirconium oxide, PEEK, polymer, high performance plastics, wax, glass-feldspar-hybrid ceramics, composites and nano composites.



DD smart CAM 2.0 Xpert SOFT/HARD

Ideal for all applications on LabTec 35 machines: Additional machining of titanium, CoCr or gold.



Functionality	Abutment Stand Alone	Xpert SOFT for LabTec 25	Xpert SOFT/HARD for LabTec 35
Art.-no.	CAM 0021	CAM 0019	CAM 0020
Axis-function	4-axis	5-axis	5-axis
Price (euro/net)	1.990,00	4.580,00	8.390,00

Options / modules			
Glass-ceramics wet grinding mode	–	✓	✓
Prefab milling	✓	–	✓
Titanium and CoCr milling	–	–	✓
Implant Designer – standard implant library	✓	✓	✓
Bar Module	–	–	1.290,00*
Additional LabTec machine connection (same type)	–**	–**	–**
Machine connection for: VHF camfacture, Willemin Macodel, Datron, Dental Concept System, KaVo, MB Maschinen, Yenadent, etc.	1.590,00	–	–

* Additional costs for installation and training necessary

** Additional costs (1.290,00) for the integration of other LabTec machine types

CAM Accessories

05

Accessories for LabTec milling machines

Additional blank holders for workpiece changer

To ensure complete flexibility, you can extend your machine with a certain number of blank holders (depending on the machine), which can be then effortlessly fixed in the loader.

Art.-no.	Article	Price (euro/net)
CAM 0912.2	Additional blank holder	619,00

► For LabTec 35 Loader and 35 Pro Loader



Art.-no.	Article	Price (euro/net)
CAM 0912.4	Additional blank holder	675,00

► For LabTec 35 and 35 Pro



Zero-point clamping system

The zero-point clamping system enables you to change blanks together with the blank holders very easy. Clamping of blanks can thus be done outside the machine, e.g. while the machine is processing another blank. In addition, the zero-point clamping system facilitates the use of different adapter systems.

Art.-no.	Article	Price (euro/net)
CAM 0912.3	Zero-point clamping system	1.950,00

► For LabTec 35



Machine table

The machine table was created especially for the requirements of CAM machines. It convinces through its appealing appearance, a sturdy design and plenty of storing space. To give you maximum positioning flexibility, the machine table is equipped with strong rollers. The built-in cabinet allows you to integrate your extraction system, which reduces noise levels.

Dimensions: 1065 x 790 x 930 mm (width x depth x height)

Art.-no.	Article	Price (euro/net)
CAM Tisch 350i DD	Machine table	1.790,00
CAM Tisch 350i DD.1	Extension table (foldable)	249,00

► For all LabTec machine types

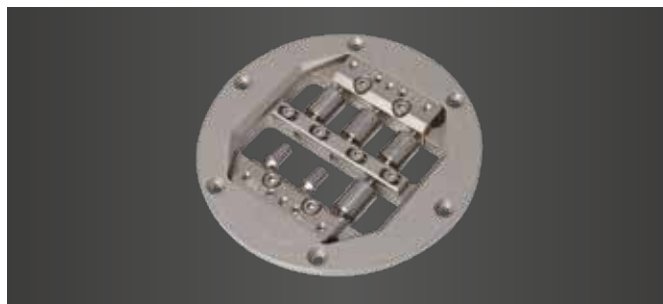


DD Prefab Starter-Kit (DD Prefabs)

Starter kit Dental Direkt Prefabs with six Preface Abutments and necessary accessories.

Art.-no.	Article	Price (euro/net)
CAM 0511	DD Prefab starter kit	790,00*

- For all LabTec machine types of the 35-series
Other systems on request



NT-Preform adapter

Starter kit NT-Preform with six preform abutments and necessary accessories.

Art.-no.	Article	Price (euro/net)
CAM 0503	6 mm shaft	1.950,00

- For all LabTec machine types of the 35-series



Medentika Preface adapter

Starter-Kit Medentika® Preface with six preface abutments and necessary accessories.

Art.-no.	Article	Price (euro/net)
CAM 0504	Preface Adapter	1.980,00

- For all LabTec machine types of the 35-series



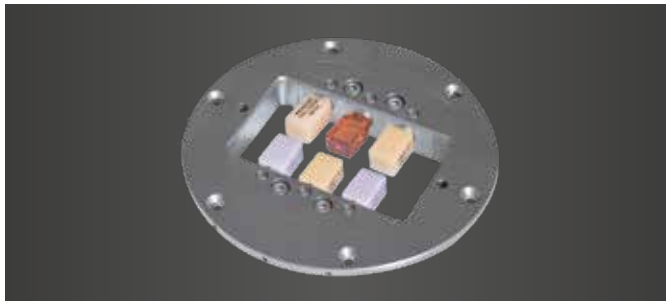
3-fold-Glass ceramics holder

The glass ceramics holder, incl. accessories, which allows the machining of blocks and is also suitable for retrofit. Incl. a milling strategy package in DD smart CAM 2.0, as well as graphic integration into the CAM software.

Art.-no.	Article	Price (euro/net)
CAM 0500.1	3 mm shaft	980,00
CAM 0500.2	6 mm shaft	980,00

- For all LabTec machine types

*Depending on the CAM software, additional costs may be charged for implementation, calibration and activation.



6-fold Glass ceramics holder

- New 6-fold adapter enables an effective production
- Replaceable bars for different adapter systems
- Crowns, onlays, inlays, veneers, bridge frameworks, etc.

Art.-no.	Article	Price (euro/net)
CAM 0500.3	3 mm shaft	1.120,00
CAM 0500.4	6 mm shaft	1.150,00

► For all LabTec machine types



CAM 0513

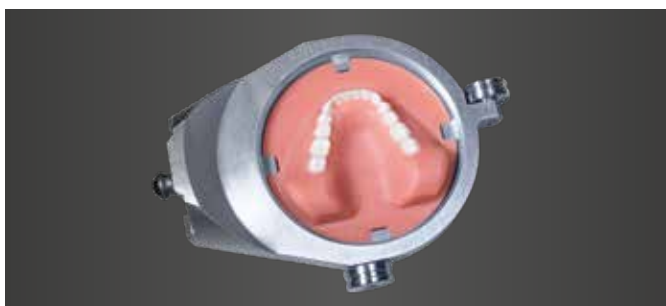
CAM 0513.1

C-Clamp holder

- Enables 5-axis machining up to 90 degrees axis adjustment
- Extension of the technical possibilities of your milling machine
- Front side machining

Art.-no.	Article	Price (euro/net)
CAM 0513	C-Clamp holder for Labtec 35 (without Loader)	1.250,00
CAM 0513.1	C-Clamp holder for LabTec 35 Loader	1.250,00

► For all LabTec machine types of the 35-series



Full denture holder

- Baltic denture from Merz Dental
- Dentsply Sirona dentures

Art.-no.	Article	Price (euro/net)
CAM 0512	Baltic Denture System Starter-Kit	809,00

► For all LabTec machine types



Universal Adapter for LabTec ONE

- Universal adapter base plate for holding various attachments
- Attachments for DD Prefabs, Glass ceramics and others

Art.-no.	Article	Price (euro/net)
CAM 0514	Universal adapter base for LabTec ONE	480,00
CAM 0514.1	Glass ceramics attachment for universal adapter	225,00
CAM 0514.2	DD Prefab attachment for universal adapter	225,00

► For LabTec ONE

Extraction systems

iVAC eco+

Owing to the brushless turbine, this high performance extractor system is very compact and low-noise. Particulate matter is hereby directed into a specially designed collection bag, which meets the required filtration degree e.g. for zirconium oxide. A downstream HEPA filter prevents leakage of residual particulate matter. The iVAC eco+ can thus be operated directly in the work area without any problems.



Art.-no.	Price (euro/net)
CAM ECO 230V	1.980,00

Technical data

Volume flow: 260 m³/h
Max. performance: 1.200 W
Filter system: HEPA-filter
Filter volume: 25 litre
Dimensions (W x D x H): 440 x 460 x 750 mm
Weight: 30 kg
Voltage: 115 V/230 V
Noise level: 65 db(A)
Suitable for machine table

SILENT Compact CAM

The SILENT compact is a small extraction system for a single workplace. Due to bagless ultra-fine filter technology incl. mechanical filter cleaning, you avoid inconvenient changing of bags. Its intelligent automatic switch-on turns the extraction system into a real relief for your daily routine. Thanks to a fully encapsulated commutator motor, the noise level remains very low.



Art.-no.	Price (euro/net)
CAM Silent CAM	1.219,00

Technical data

Volume flow: 160 m³/h
Max. performance: 480 W
Filter system: Teflon filter cartridge, automatic cleaning
Filter volume: 8 litre
Dimensions (W x D x H): 245 x 500 x 440 mm
Weight: 13,2 kg
Voltage: 115 V/230 V
Noise level: 56,9 db(A)
Suitable for machine table

Milling Tools

06

Milling tools for LabTec machines

Each CAM machine type and every material requires specific milling tools. As the interface between the system and the material to be milled, milling tools' quality is of crucial importance when it comes to realising a high quality result.

Milling tools – 6,0 mm shaft

for use in LabTec machines

Art.-no.	tool number (standard)	features	max. material height in mm	Ø in mm	Price (euro/net)
universal					
DD526000 0506	T18	not diamond-coated	15,0	0,5	49,00
DD526001 0506	T19	not diamond-coated	15,0	0,5	49,00
milling tools for zirconia/aluminium oxide					
DD526013 1006	T14	diamant-coated	25,0	1,0	79,00
DD526013 2506	T13	diamant-coated	25,0	2,5	79,00
milling tools for zirconia/PMMA/Wax					
DD526019 0306	T33	not diamond-coated	25,0	0,3	56,00
DD526019 0606	T15	conica, not diamond-coated	25,0	0,6	49,00
DD526012 0606	T32	not diamond-coated	25,0	0,6	58,00
DD526019 1006	T12 / T14	not diamond-coated	25,0	1,0	39,00
DD526019 2506	T11 / T13	not diamond-coated	25,0	2,5	39,00
milling tools for PMMA/Peek/Wax					
DD526004 1006C	T12	not diamond-coated, single-cutters	25,0	1,0	36,50
DD526004 2506C	T11	not diamond-coated, single-cutters	25,0	2,5	36,50
DD526012 4006	T30	shaft milling tool, not diamond-coated	30,0	4,0	46,00
milling tools for PMMA/Wax					
DD526012 2006	T35	not diamond-coated	30,0	2,0	59,00
DD526012 3006	T34	not diamond-coated	30,0	3,0	59,00
milling tools for glass ceramic/lithium disilikat					
DD526009 0606	T23	conica, diamant-coated	–	0,6	34,50
DD526009 1006	T22	diamant-coated	–	1,0	34,50
DD526009 2506	T21	diamant-coated	–	2,5	34,50



Milling tools – 6,0 mm shaft

for use in LabTec machines

Art.-no.	tool number (standard)	features	max. material height in mm	Ø in mm	Price (euro/net)
milling tools for cobalt chrome/titanium					
DD526000 1506	T3/T8	not diamond-coated	15,0	1,5	49,00
DD526001 1506	T17	shaft milling tool, not diamond-coated	25,0	1,5	49,00
DD526022 1506	T16	not diamond-coated	25,0	1,5	49,00
DD526002 1506	T5/T10	shaft milling tool, not diamond-coated	15,0	1,5	49,00
DD526003 0606	T20	conica, metal	15,0	0,6	49,00
DD526026 1006	T4 / T9	short, metal	15,0	1,0	49,00
DD526026 2006	T2 / T7	short, metal	15,0	2,0	39,00
DD526026 3006	T1 / T6	short, metal	15,0	3,0	39,00
DD526027 1006	T29	long, metal	16,0 – 20,0	1,0	49,00
DD526027 2006	T27	long, metal	16,0 – 20,0	2,0	39,00
DD526027 3006	T26	long, metal	16,0 – 20,0	3,0	39,00

Milling tools – 3,0 mm shaft

for use in LabTec machines

Art.-no.	tool number (standard)	features	max. material height in mm	Ø in mm	Price (euro/net)
universal					
DD526000 1503	T3 / T8 / T16	not diamond-coated	15,0	1,5	29,90
DD526001 0503	T19	not diamond-coated	15,0	0,5	39,90
DD526001 1503	T17	shaft milling tool, not diamond-coated	25,0	1,5	29,90
milling tools for zirconia/aluminium oxide					
DD526013 1003	T14	diamant-coated	25,0	1,0	59,00
DD526013 2503	T13	diamant-coated	25,0	2,5	59,00
milling tools for zirconia/PMMA/Wax					
DD526012 0603	T32	not diamond-coated	25,0	0,6	52,50
DD526016 0303	T33	conica, not diamond-coated	25,0	0,3	40,00
DD526016 0603	T15	conica, not diamond-coated	25,0	0,6	49,00
DD526016 1003	T12 / T14	not diamond-coated	25,0	1,0	23,90
DD526016 2503	T11 / T13	not diamond-coated	25,0	2,5	23,90
milling tools for PMMA/Wax					
DD526004 1003C	T12	single-cutters	25,0	1,0	25,50
DD526004 2503C	T11	single-cutters	25,0	2,5	25,50
milling tools for glass ceramic/lithium disilikat/Feldspar-ceramics					
DD526009 0603	T23	conica, diamant-coated	–	0,6	26,90
DD526009 1003	T22	diamant-coated	–	1,0	24,90
DD526009 2503	T21	diamant-coated	–	2,5	24,90
milling tools for cobalt chrome/titanium					
DD526003 0603	T20	conica, metal	15,0	0,6	49,00
DD526018 1003	T4 / T9	metal	15,0	1,0	29,90
DD526018 2003	T2 / T7	metal	15,0	2,0	29,90
DD526018 3003	T1 / T6	metal	15,0	3,0	29,90

Sintering furnaces and firing units

07

DD Argus Fire 674 – sintering furnace

The DD Argus Fire 674 uses the proven SiC heating concept, which is perfectly suited for sintering of zirconia frameworks. Apart from its generous space availability of up to 80 units, distributed over two stackable sintering levels, three silicon-carbide heating elements, ensure homogeneous sintering at temperatures up to 1,530°C. The DD Argus Fire 674 is your reliable partner for digital processing.

Sintering of dental ceramics with a diameter of up to 100 mm

The vibration-free lift of the furnace ensures an optimal closing process for the combustion chamber. The unique autodry-system generates high thermal gradients during heat-up and cool-down phases. This permits reduced sintering times through controlled lift movement. Two stackable sintering platforms each offer a respective capacity of 40 units with a diameter of up to 100 mm. Simple operation via the 7.5" colour touch control panel offers you full control over furnace status.



Technical data	
Dimensions (H x W x D)	780 x 383 x 343 mm
Weight	24 kg
Voltage	230 V / 50 bis 60 Hz
Max. Power consumption	2 kW
Max. Temperature	1.530 °C
Touch screen	7,5" color
Programming languages	Classic
Autodry function	✓
Program continuation after power cut	✓
Casing: Anodised aluminium, white	✓
Heaters SiC: ultrapure heating elements made from SiC (silicon carbide); sintering at high temperatures, no discoloration	✓
Fibre insulation multi-compound: Multilayer insulation system for sintering at high temperatures	✓
Fibre insulation table multi-compound: for sintering at high temperatures	✓
Sintering accessories for sintering on one level	✓
Sintering plate micro-pearls	✓
USB interface: Transfer firing programs (dds)/ transfer image files (jpg)/ save quality management files (dfl)	2 x (✓/✓/✓)

Art.-no.	Price (euro/net)
CAM 9962	9.950,00

Dekema AUSTROMAT™ 624 – firing unit

The proven combustion chamber concept is decisive for excellent firing results in all temperature ranges. The intuitive operation combined with Internet-capable electronics, is optimally adapted to the technical needs of the modern dental technician.

The Dekema AUSTROMAT 624 combines our experience in firing technology with an operating concept that leaves nothing to be desired.

The operation is carried out via the large, high-resolution touch screen.

A variety of input and output options and editing functions focus on the individual needs of each dental technician. You start one of the 200 active programs simply by pressing a button. The program enables changes during program execution, optionally also remotely controlled via the network. In the background of the firing unit, you can store unlimited numbers of programs.



Technical data

Dimensions (H x W x D)	653 x 383 x 343 mm
Weight	17,5 kg
Voltage	230 V / 50 bis 60 Hz
Max. Power consumption	1,5 kW
Max. Temperature	1.560 °C
Touch screen	7,5" color
Programming languages	Easy, Professional, Classic
Dekema-Vacuum pump	✓
Dekema-Autodry	✓
Housing: Aluminum, anodized	✓
Heating element: Quarz glass	✓

Art.-no.	Price (euro/net)
CAM 9975	6.100,00

VITA SMART.FIRE® – firing unit

VITA SMART.FIRE® is a firing unit specifically for crystallization, glaze, stain, and corrective firing of all common chairside materials. Selecting the materials and starting the program are done in just one step. Optimally, customized material-specific programs are already pre-installed for simple firing. Thanks to its compact design, the firing unit can be set up easily and saves space in every practice.

Advantages

- Intuitive use – material selection and program start in one step
- Organized menu navigation with self-explanatory program symbols
- Pre-installed programs for all common chairside materials
- Convenient use, thanks to its space-saving construction
- Reliable function through long-lasting firing technology
- Durable housing with sealed surfaces



Technical data	
Dimensions (H x W x D)	340 x 230 x 300 mm
Weight	13 kg
Chamber diameter	80 mm
Chamber height	43 mm
Max. temperature	1050°C
Power supply	230 Volt AC, 50 Hz or 100/110 Volt AC, 50/60 Hz
Power consumption	950 W (230 V), max. 1100 W (100 V, 110 V)
Classification protection class	1
Housing	6 possible designs
Environmental conditions	Use only indoors Ambient temperature 10 °C to 35 °C Relative air humidity 80% RH Max. Height 3800 m. above sea level

Art.-no.	Content	Price (euro/net)
CAM 9980	VITA SMART.FIRE (230 V) Components: 1 cable for mains power connection, 1 firing tray, 1 Cooling table, 1 Firing pliers, 1 firing tray round, 1 Fibrous pad firing support round, 2 Platinum pins (1 anterior and 1 posterior pin) 1 VITA SMART.FIRE Control unit, 1 Cable for connecting firing unit and control unit	4.490,00



VITA SMART.FIRE Accessories

- What?**
- An accessory set integrated in the firing unit for convenient firing
 - Components: firing trays, fibrous pad firing supports, platinum pins, firing pliers and cooling table
- What for?**
- So the practice team always has all of the important items to hand at the firing unit

VITA Vacuum pump



Technical data

Dimensions (H x W x D)	220 x 320 x 110 mm
Weight	6,4 kg
Final vacuum	< 960 mbar
Power consumption	max. 200 W

Art.-no.	Price (euro/net)
CAM 9981	835,00

