

DIGITAL DENTISTRY

ARTICON
DENTAL CAD CAM SYSTEMS

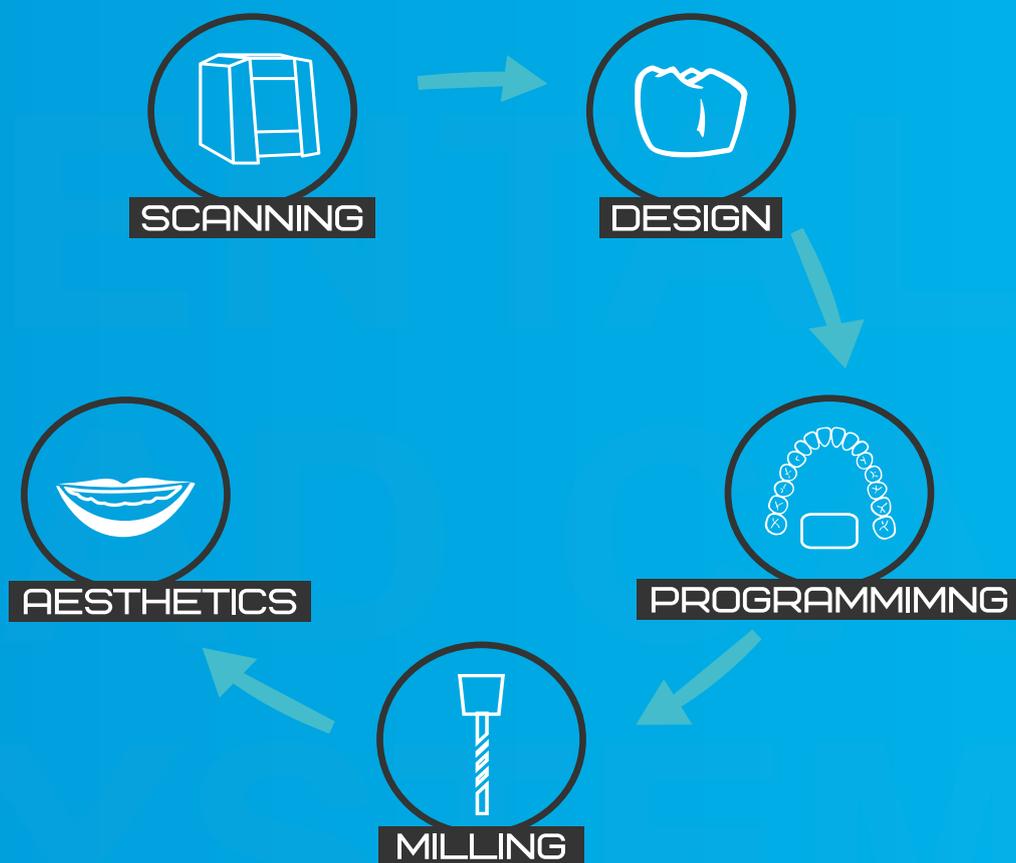
CAD CAM TECHNOLOGY

ARTICON TAKES UNIQUE APPROACH TO ITS BUSINESS

WE OFFER PROVEN BUSINESS MODEL WITH COMPLETE SOLUTION

We are open for sharing with our partners knowledge and achievements we gained over the years in promotion milling labs for success and growth. Our company has been involved in dental digital technologies since 2006. We achieved a reputation of reliable partners for strategic solutions in CAD CAM technologies.

ARTICON System - is the strategy for success, proved by personal experience



ARTICON COMPANY PRESENTS CAD CAM TECHNOLOGY ACCESSORIES AND MATERIALS FOR SUPERIOR RESTORATION

ARTICON CAD CAM TECHNOLOGY ADVANTAGES



OPEN SYSTEM

- you can choose the supplier of the accessories
- you can add your own implant libraries
- you can add your own tooth shape libraries



MADE IN GERMANY

- all the pieces of the equipment are made in Germany
- life proved reliable quality



WIDE RANGE OF THE EQUIPMENT

- you can select the best solution for your tasks



UNIQUE SOLUTION

- many of the wide range of the items are offered by Articon only
- acid free colorants for zirconia that dies completely throughout the framework
- table mounted milling machine that is able to work with hard materials
- you can mill abutments from the factory made blanks



LOCAL TECHNICAL SUPPORT

- technical support provided from Irvine, CA
- you can study at our technical center at Irvine, CA
- you can participate in our training seminars



ONGOING TECHNOLOGICAL UPGRADE

- Articon company is cooperating with leading manufacturers CAD CAM technology, that gives us a chance to be the first to learn about their latest products and to use them the professionals of Articon actively participate in CAD CAM technology development, that proves the highest level of their competence



AVAILABLE PRICE

- Articon technology means available prices at the consistent highest quality

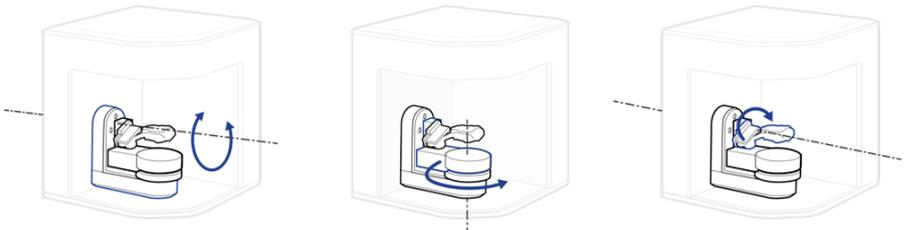
MOST ADVANCED 3-D SCANNERS

Identica *hybrid*



- 16 sec. full arch
- 7 μ m accuracy
- Extended **2 year** Warranty
- 3-Unit Bridge X 2 \leq **5 Minutes**
- Triple Camera** Scanning Technology

3-AXIS ARM
to scan impressions



3-D SCANNERS



Identica *light*

Faster measurement
Higher accuracy
Expanded space
Improved Blue light



Identica **BLUE**

Open and **Spacious**
Cost effective
Intuitive scan process
Open STL

exocad

PROVIDES THE COMPLETE
SOFTWARE SOLUTION FOR DIGITAL DENTISTRY



SCANNING
exoscan



DESIGN
exocad



IMPLANT PLANNING
exoplan



ORTHODONTICS
exocad ortho



COMMUNICATION
dentalshare



ALREADY THE STANDARD VERSION, EXOCAD DENTALCAD, COVERS A WIDE VARIETY OF INDICATIONS



Anatomic crowns



Simple and anatomic copings



Bridge frameworks



Inlays, onlays



Waxup-based frameworks



Primary telescopes



Veneers



Waxup digital copy milling



Attachments



Post and Core

ADD-ON MODULES



Implant module
For designing of abutments and screw-retained bridges



Virtual articulator
For dynamic occlusion



Bar module
For advanced dental bar design



Model creator
To create physical models



DICOM viewer
For visualization of voxel data from CT machines during the design process



Bite splint module
For designing night guards



TruSmile Technology
For realistic rendering of dental restorations



Denture module
For designing full dentures



✓ NEW



POWERED BY



MILLBOX

THE MOST INTUITIVE AND SIMPLE DENTAL CAM SOLUTION EVER MADE

A new interface and new features to make your work **even faster**. A reliable partner to improve your work enhancing your technical skills, increasing the quality and range of your products.

- **four steps from start to mill**
- **simple user interface**



- **easy to perform**, no manual process and users are operative as a result of a short training. MillBox is an advanced CAM, easy to use and that optimizes time and costs, with significant return on the investment made

CORiTEC 140i



PRACTICAL SOLUTION FOR PRACTICE LAB

The CORiTEC 140i dental milling machine system is perfectly suited for everyday use for grinding virtually all block materials available on the market. The machine can produce restorations directly, in combination with an intraoral scanner.

WORK MATERIALS



CORiTEC 250i TOUCH

THE COMPACT 5-AXIS SYSTEM!

The machine systems **CORiTEC 250i dry** and **CORiTEC 250i wet touch** are the most widely used CAD/CAM entry level systems. Thanks to the 5-axis technology, these machines can also produce complex dentures with diverging stumps without rework. These systems are therefore ideal if a good price/performance ratio is in the foreground, with, nevertheless, very high flexibility of the machine system. The CORiTEC 250i touch also features an option of wet processing. Wet processing takes place mostly in the processing of CAD/CAM blocks, and special plastic materials.



WORK MATERIALS

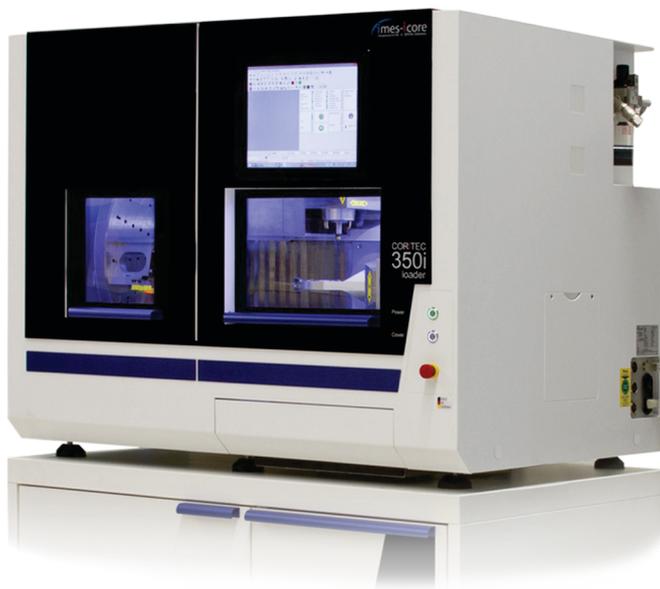




CORiTEC 350i

With the **CORiTEC 350i** processing system, a novel machine concept has been developed which meets all modern requirements for CAD/CAM processing. The processing of all relevant blank materials from CoCr, titanium, zirconium dioxide, plastics, block materials, and new future materials is thus possible with a single machine system, virtually without restrictions. The modern and optimized machine kinematics, with high free angles of the 5 axes of over 30°, allows milling and grinding in wet and dry processing in high quality.

This makes the system ideal for demanding laboratories as an all-rounder to produce all typical applications in your own lab, in high quality, using CAD/CAM technology.



WORK MATERIALS

ZrO ₂	NANO composit	PEEK	PMMA	Wax	Ti	CoCr	Gips	CERAMICS	PLASTICS
5 axis milling	For milling centers	WET/DRY	Quality	Availability	Open system	Low cost price	No annual license fee	All materials	.stl

CORiTEC 650i

The new CORiTEC 650i and CORiTEC 650i Loader machine systems have a very interesting price level and are equipped with high-quality industrial milling technologies, such as granite structure, direct drives, digital length measuring systems, and powerful main spindle. The machine concept impresses with its precise, vibration-free and dynamic motion sequences in the demanding and complex metal work. All other relevant materials can also be milled or ground in high quality with this machine system, in wet or dry machining.

The CORiTEC 650i loader includes a fully integrated automatic material changer. This enables operating the machine system at full capacity round the clock without supervision, while maintaining high precision.

Thus, the machine system is ideally suited for large labs and milling centers, where these high quality standards and large quantities are at the forefront.



TECHNICAL HIGHLIGHTS

- PREMIUM quality with future-oriented technology
- Solid axis structure from polished natural granite for highly dynamic
- 5-axis simultaneous machining, and for high-precision milling results
- 3 linear axes with highly dynamic linear motor drives
- Massive granite rotating swivel unit as a 4th/5th Axis with torque motor drives
- Absolute, high-resolution measuring systems on all axes
- Integrated wet and dry machining for all materials and applications
- High-end control for fast control technology with touch screen operation
- 32-fold fully automatic tool changer
- Optionally equipped with automatic workpiece changer/zero point



WORK MATERIALS



EXTRACTION SYSTEMS

BEST RESULTS IN COMBINATION WITH ALL iMES-iCORE MACHINES

Thanks to a large variety of extraction systems it's easier to choose a convenient one for any kind of milling machine. Every unit connects directly to the milling machine and is controlled automatically at the start and end of the milling program.

An extraction systems operation helps to avoid considerable expenses.



CORITEC iVAC eco +



CORITEC iVAC pro



CORITEC iComp VAC *

iMES-iCORE MACHINE TABLES



SUPER QUIET ROTARY SCREW AIR COMPRESSOR

- 40 gal
- 3 HP
- made in Italy
- very affordable price in USA!



powered by





HIGH TEMPERATURE FURNACE WITH SIC ROD HEATING FOR SINTERING ZIRCONIA UP TO 1550 C HTCT 01/16 AND LHT 01/17

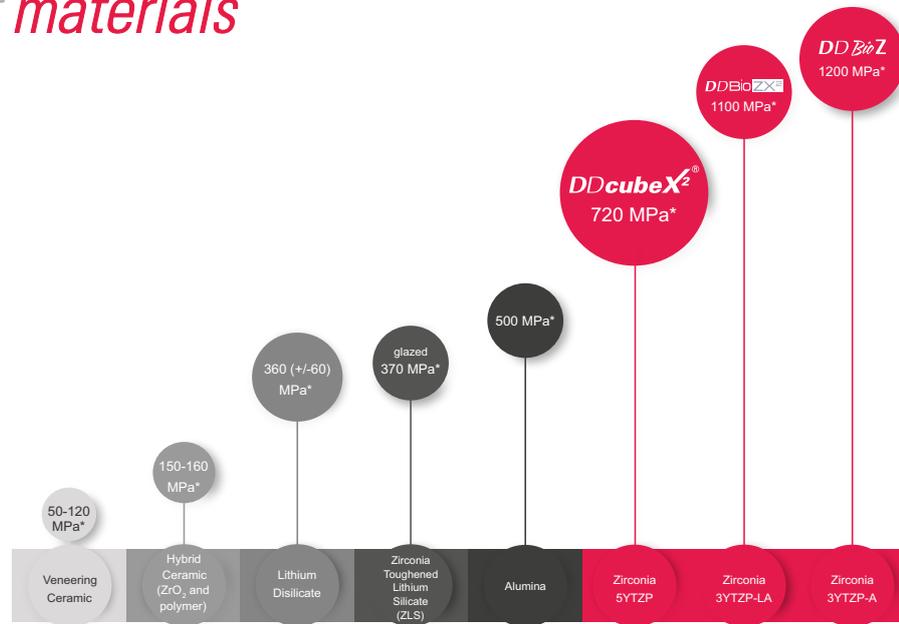
HTCT 01/16 and LHT 01/17 D

These high-temperature furnaces are perfectly suited for sintering of translucent zirconia units. The special molybdenum disilicide heating elements offer best possible protection against chemical interaction between charge and heating elements. The zirconia units are positioned in ceramic saggars. Up to three saggars can be stacked into the high-temperature furnace.



- Tmax 1650 °C
- Furnace chamber with a volume of 1 or 2 liters
- Special heating elements made of molybdenum disilicide offer best possible protection against chemical interaction between charge and heating elements
- Furnace chamber lined with first-class, long-life fiber material, unclassified
- Housing made of sheets of textured stainless steel
- Dual shell housing with additional fan cooling for low surface temperature
- Compact design with lift door, opening upwards
- Adjustable air inlet
- Exhaust air opening in the roof
- Precise temperature control, also in the lower temperature range for drying
- Controller P480 (LHT 01/17 D) or P470 (LHT 03/17 D)
- NTLog for Nabertherm controller: recording of process data with USB-flash drive
- Switchgear with steady control of the heating elements
- Delivery incl. starter set to charge the zirconia works
- Defined application within the constraints of the operating instructions

Dental
Direkt materials



ZIRCONIA MATERIALS

DDcubeX² **SUPER TRANSLUCENT**

- super translucent
- bending strength 720 MPa/1000MPa
- beautiful esthetics



DDBioZX² **HIGH STRENGTH**

- high translucent + high strength
- bending strength 1200 (+/-200) MPa
- amazing balance of esthetics and strength



DDBioZX² color **PRE-SHADED**

- high-translucent, pre-shaded
- bending strength 1200 (+/-200) MPa
- consistent and homogeneous colors
- all 16 VITA shades



DD Bio ZX² monolith zero COLORING LIQUID



DD BIO ZX MONOLITH ZERO LIQUID

The DD Bio ZX2 monolith zero coloring liquid is multi - talented and can be used with all of Dental Direkt's zirconium materials. It provides you with an extremely easy method to achieve vivid, reproducible colors, while maintaining material-natural translucency.

Overview of Advantages

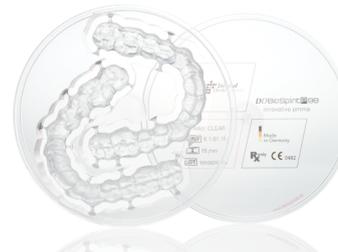
- excellent infiltration depth using dip or brush techniques
- reproducible, natural colors based on the VITA® color code, due to improved color formulas
- extensive range of dentin, incisal and effect colors for the highest level of individuality and aesthetics

DDpmma **CAST 98** CASTING TECHNOLOGIES



Pre-colored blanks made of 100% PMMA. For the preparation of residue-free combustible models (Vicat point: 102 °C) with very good milling properties (not a medical product).

DDBioSplint **P & C** INNOVATIVE PMMA



DD Bio Splint P are transparent dental milling blanks out of PMMA and PC for the manufacture of splints, therapeutic splints, bitegovernors and drilling templates **P** for the long-term application in the oral cavity up to 12 months or **C** for the permanent application in the oral cavity up to 30 days.

TITANIUM T4 & T5 STARBOND DISCS

- Ideal mechanical properties; manufactured according to ISO 5832-3
- Highest bonding strength with all common ceramic masses for titanium
- Biocompatible
- Highly corrosion resistant
- Especially patient-friendly due to a low thermal conductivity
- For the production of suprastructures, abutments, crowns and bridges



COBALT CHROME STARBOND EASY DISC

CoCrW-milling blank for conventional high-fusing (low expansion) ceramics – free of nickel, beryllium and cadmium – especially for implant-supported restorations (type 4) according to DIN EN ISO 22674. Starbond Easy Disc is based on a dental bonding alloy used in conventional casting technique for many years and which today is also successfully applied in dental CNC milling.

- The material is manufactured disc by disc in a special casting technique. A high homogeneity and hardness is guaranteed throughout the entire disc (edge, center, core)
- Medium hardness of 289 HV 10
- Suitable for dry and wet milling

Advantages for the dental technician:

- The alloy is biocompatible
- Easy to polish
- Excellent bonding-strength with ceramic masses
- Suitable for laser welding



COBALT CHROME MOGUCERA C DISC

CoCrMo metal-to-ceramic alloy for conventional highfusing (low expansion) ceramics – free of nickel, beryllium and cadmium – type 4 according to DIN EN ISO 22674.

- Extremely corrosion resistant
- Biocompatible
- Especially patient-friendly due to a low thermal conductivity
- Ease of processing and polishing due to a low hardness of 288 HV 10
- High degree of purity
- High bonding strength with ceramic masses.
- Suitable for laser welding

➔ We have a full range of sizes from 8mm to 30mm diameter in stock!

FULL LINE OF IMPLANT PARTS FOR ALL MAJOR IMPLANT SYSTEMS



FDA APPROVED

NT-TRADING TI-BASES PROVIDE THE OPPORTUNITY TO DESIGN AN INTEGRATED INDIVIDUAL ABUTMENTS FOR THE VARIOUS SYSTEMS

CAM-SERIES is compatible to: **Altatec® | Camlog**

COL-SERIES is compatible to: **Altatec® | Conelog**

E-SERIES is compatible to: **Nobel Biocare™ | Replace Select**

F-SERIES is compatible to: **Nobel Biocare™ | Nobel Active**

H-SERIES is compatible to: **Biomet 3i | Certain**

I-SERIES is compatible to: **Biomet 3i® | Osseotite® External Hex**

K-SERIES is compatible to: **Nobel Biocare™ | Brånemark**

COL-SERIES is compatible to: **Altatec® | Conelog®**

S-SERIES is compatible to: **DENTSPLY Implants® | Astra Tech Implant System OsseoSpeed TX**

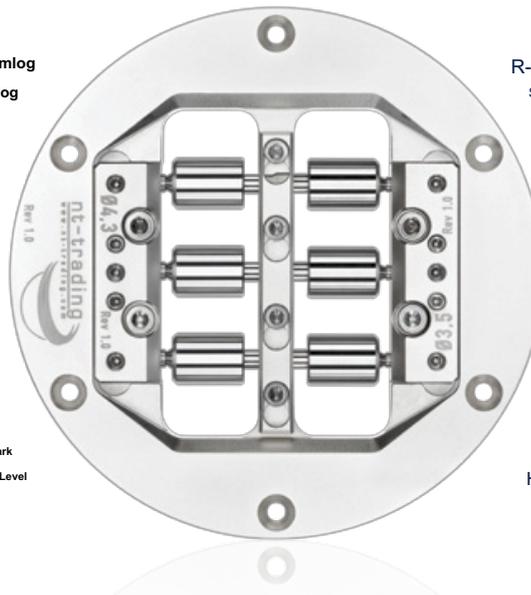
SEV-SERIES is compatible to: **DENTSPLY Implants® | Astra Tech Implant System™ EV**

T-SERIES is compatible to: **DENTSPLY Implants® | Xive**

CAM-SERIES is compatible to: **Altatec® | Camlog**

K-SERIES is compatible to: **Nobel Biocare™ | Brånemark**

L-SERIES is compatible to: **Straumann | Bone Level**



R-SERIES **Zimmer Dental | Tapered Screw-Vent**

S-SERIES **DENTSPLY Implants® | Astra Tech Implant System OsseoSpeed TX**

SEV-SERIES **DENTSPLY Implants® | Astra Tech Implant System™ EV**

T-SERIES **DENTSPLY Implants® | Xive®**

CAM-SERIES is compatible to: **Altatec® | Camlog®**

F-SERIES is compatible to: **Nobel Biocare™ | Nobel Active™**

H-SERIES is compatible to: **Biomet 3i® | Certain®**

L-SERIES is compatible to: **Straumann | Bone Level®**

N-SERIES is compatible to: **Straumann | SynOcta®**

R-SERIES is compatible to: **Zimmer Dental | Tapered Screw-Vent**

I-SERIES is compatible to: **Biomet 3i® | Osseotite® External Hex®**

S-SERIES is compatible to: **DENTSPLY Implants® | Astra Tech Implant System OsseoSpeed TX**

E-SERIES is compatible to: **Nobel Biocare™ | Replace Select®**

F-SERIES is compatible to: **Nobel Biocare™ | Nobel Active™**

H-SERIES is compatible to: **Biomet 3i® | Certain®**



-Titanium base

For implant supported
individual hybrid abutments



-Scan body

3D-Guide®
Scanbody for high precision
implant position transfer



-Preform

NT-Preform®
Milling blank for individual one-piece
Titanium abutments in CAM process



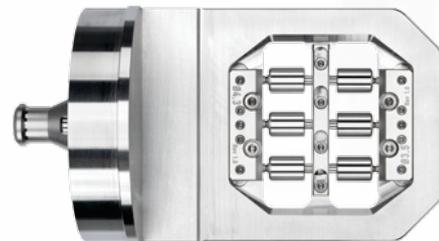
-Dim analog

DIGITAL IMPLANT MODEL ANALOG
Available for 13 implant systems
in the NT-Q library



-Accessories

NT-PREFORM®
accessories & holder-fixture sets



COMPONENTS

DENTAL MILLING TOOLS



COMPOSITE



PMMA/WAX



TITANIUM/CoCHROM



ZIRCONIA (ZRO2)

CORiTEC

BURS



ZIRCONIUM DIOXIDE TOOLS

TOOL NO.	DIAMETR/GEOMETRY	MATERIAL
T13	2,5 mm, radius end mill	Zr/PMMA/Wax
T14	1,0 mm, radius end mill	Zr/PMMA/Wax
T15	0,6 mm, radius end mill, conical	Zr/PMMA/Wax
T32	0,6 mm. radius (long), 12 mm clearance	Zr/PMMA/Wax
T33	0,3 mm, radius end mill, conical	Zr/PMMA/Wax
T13	2,5 mm, radius end mill	Zr diamond
T14	1,0 mm, radius end mill	Zr diamond

TOOLS FOR INNOBLANC MATERIALS

TOOL NO.	DIAMETR/GEOMETRY	MATERIAL
T11	2,5 mm, radius	PMMA-Wax
T12	1,0 mm, radius	PMMA-Wax
T15	0,6 mm, radius, tapered shaft	Zr-Al-PMMA-Wax
T16	1,5 mm, radius	Universal
T17	1,5 mm, shaft (long), twin-bladed cutter	Universal
T18	0,5 mm, radius	Universal
T19	0,5 mm, shaft, twin-bladed cutter	Universal
T30	4,0 mm, shaft, single tooth cutter	PMMA/plastics
T31	3,0 mm, shaft, single tooth cutter	PMMA/plastics
T32	0,6 mm, radius	plastics
T33	0,3 mm, radius, conical	

TOOLS FOR WAX AND PMMA DISCS

TOOL NO.	DIAMETR/GEOMETRY	MATERIAL
T11	2,5 mm, radius end mill, single tooth cutter	PMMA/plastics
T12	1,0 mm, radius end mill, single tooth cutter	PMMA/plastics
T11	2,5 mm, radius end mill	Zr/PMMA/Wachs
T12	1,0 mm, radius end mill	Zr/PMMA/Wax
T15	0,6 mm, radius end mill, conical	Zr/PMMA/Wax
T32	0,6 mm, radius end mill (long), 12 mm clearance	Zr/PMMA/Wax
T33	0,3 mm, radius end mill, conical	Zr/PMMA/Wax

TOOLS FOR COCR AND TI DISC

TOOL NO.	TOOL NO. COCR	DIAMETR/GEOMETRY	MATERIAL
T1	T6	3,0 mm, radius end mill	Metal
T2	T7	2,0 mm, radius end mill	Metal
T4	T9	1,0 mm, radius end mill	Metal
T26		3,0 mm, radius end mill (long)	Metal
T27		2,0 mm, radius end mill (long)	Metal
T29		1,0 mm, radius end mill (long)	Metal
T20		0,6 mm, radius end mill, conical	Metal

TOOLS FOR MODEL DISC

TOOL NO.	DIAMETR/GEOMETRY	MATERIAL
T31	3,0 mm (shaft), end mill, single tooth cutter	PMMA/plastics
T30	4,0 mm, shank end mill, single tooth cutter	PMMA/plastics
T11	2,5 mm, radius end mill	PMMA/plastics
T12	1,0 mm, radius end mill, single tooth cutter	PMMA/plastics
T32	0,6 mm, radius end mill (long), 12 mm clearance	Zr/PMMA/Wachs



ARTICON

DENTAL CAD CAM SYSTEMS



exocad



MEDIT



ARTICON

CAD/
CAM
SYSTEM



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