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SUPPORT AND EDUCATION
MILLING CENTRE



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### **INTERDENT CAD/CAM System**

With more than 40 years of experience in dentistry where the vision of the company and all employees is to produce quality products and where end user has a decisive importance, company Interdent offers you a complete solution in the CAD/CAM field.



**BINTERDENT** 



Many years of research, users opinions and preferences as well as mutual cooperation contributed and created efficient milling units CC POWER, CC COSMO+, CC newCOSMO, CC TRENDY and CC newCHIC, accurate scanners and excellent materials. Complete offer presents an open system, designed for anyone who wants to introduce advanced technology in his laboratory, which will provide flexibility, accuracy and independence.

### MEDIT i500

### Medit's latest product, the i500 intraoral scanner, exemplifies three qualities: Value, Efficiency, and Productivity.

Together, these three qualities provide an effortless transition to incorporating i500 scanner into your workflow. Designed with quality in mind, it would value-add to your practice. With its impressive speed and powderless system, the i500 allows for a smoother scanning experience, shortening turnaround times and increasing the productivity of your clinic. Regardless of your specialization, the i500 has diverse applications, ensuring that your professional needs are met. Increase your work efficiency with the vast flexibility that the open CAD/CAM system offers and never worry about compatibility issues again.



Technical data

# Perfect software and hardware combination

The i500 scanner and its accompanying software is pleasant to use and easy to understand, making it accessible to all users, and simple to incorporate into your practice or lab.

With Interdent, easy-to-use advanced technology and excellent material are supported by an expert support that is available to you throughout the entire process, from your wishes and ideas for the purchase to education and quick resolution of any problems occurring in their use.



reclifical uala.	
Tip:	18 x 15,2 mm (W x H)
Overall 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 FOV:	14 x 13 mm
Scan spray is only needed whe	en scanning metal abutments





#### Small tip

Simpler maneuverability and improved patient comfort while scanning are the advantages of i500's small tip



#### Single button control

No need to reach for the computer as the user can start, stop, and move to the next scanning stage by pressing a single button on the device



#### Video type

3D-in-motion video technology that allows for rapid videobased scans without worrying about choppy results



#### Lightweight

Our i500 intraoral scanner only weighs 276 grams and is exceptionally easy to hold, making the scanning process comfortable



#### High resolution

Easy to locate margin lines and undercuts as well as distinction between tooth structure and soft tissue thanks to realistic high-resolution images



#### Vivid color

3D full color streaming capture for precise scans and detail-rich images

**Medit i500** is used for digital design of prosthetic products. By using such a progressive system, it is possible to create the final product in only a few hours.

ORDER NR.	
CCIOS500/EU	Intraoral scanner Medit i500
CCTIP	Intraoral i500 scanning tip, á 4
CCUSB3.0	USB 3.0 cable

### MEDIT T300 and T500



Reliable, accurate and fast scanners, meeting the highest demands which allows you to export files in an open STL format.

Company Medit designed new T-series scanners. With a powerful scan engine and affordable pricing, the new Medit T300 and T500 present a perfect fit for both performance enthusiasts and entry level users of CAD/CAM system.

The program is user-friendly, since it leads a user step by step in an easy and fast way, from the model insertion into the scanner all the way to the file exporting into the CAD program for designing.

#### Superfast scanning

Our quality hardware and software work together to bring your lab the fastest scanner in the dental industry. Medit's exclusive, flexible multi-die provides an all-inone scanning to dramatically increase your productivity.

#### Extreme reality

Medit T-series scanners capture more details and geometry with higher resolution cameras and merge technology and data processing algorithms.

### Importing and exporting STL

in any scan step

Read any STL scan data you may already have, and export occlusal scan data when required. Scans and detail-rich images.

Scanner accuracy is where it all starts in CAD/CAM. 7 micron accuracy: ISO 12836

10 micron accuracy: ANSI/ADA Standard No. 132, VDI 2634

STL

#### Next generation impression scanning

Medit's industry-leading impression scanning leaps forward with the new Medit T-series. Automatic double sided impression scanning and data alignment provides complete 3D files ready for design. New software tools enable you to combine the impression and plaster stump for more design flexibility, when making crowns or inlays using impression scans.



Large open work area allows you to scan larger models and models in articulator.

	Medit T300	Medit T500
Camera resolution	2 x 2 MP	2 x 2 MP
Scanning principle	Optical came	era movement
Light source	Blu	e LED
Accuracy (µm)	7	7
Number of axis	2	3
Scanning volume	90 x	72 x 60
Touch sensor	No	Yes
Scanning in articulator	Yes	Yes
Flexible Multi-die module	No	Yes
Impression scanning	Yes	Yes
Color texture scanning	No	Yes
Dimensions (mm)	290 x 2	290 x 340
Weight (kg)	•••••	12
Connections	US	B 3.0
Format	Оре	en STL
•••••••••••••••••••••••••••••••••••••••	•••••••••••••••••••••••••••••••••••••••	

ORDER NR.	
CCT300/EU	Medit T300
CCT500/EU	Medit T500 with 3-axis arm
CCT500/EU/WOARM	Medit T500 without 3-axis ar
CCAR/IB/EU	Scanner-articulator Interlock
CCARJIG/IB/EU	Articulator jig
CCARPL/IB/EU	Articulator plate
CCCB/IB/EU	Calibration set
CCFM/EU	Flexible Multidie-die
CCGBJ/IB/EU	Gum base jig
CCMDP/IB/EU	Multi-Die plate
CCSBJ/IB/EU	Screw base jig

### EXOCAD

Complete software solution in digital dentist designing.

With no prior knowledge of the **EXOCAD** basic program version, planning and designing of anatomic crowns and copings, bridge frameworks, inlays, onlays, veneers, primary telescopes, extra - coronal attachments, etc. become a simple process



After completing the planning and designing the data is exported for the milling process in open STL format.

#### Exocad Advantages:

Open system

- Speed
- Easy to use
- With one click to the preparation
- Inividual and free design

#### ORDER NR.

CCEXOCHAIRSIDE	Exocad Chairside CAD Core version
CCEXOSTANDARD	Exocad Dental CAD Core version
STCCEXOVIRART	Exocad module Virtual Articulator
STCCEXOPROVIS	Exocad module Provisional
STCCEXOTS	Exocad module TrueSmile
STCCEXOTLS	Exocad module Tooth library set
STCCEXOIMPLANT	Exocad module Implant
STCCEXOBAR	Exocad module Bar
STCCEXOVIEWER	Exocad module DICOM Viewer



### Complete software solution in digital dentistry, which allows you fast and easy planning and



**EXOCAD** is an independent software program, which is open for integration with a wide range of different scanners. For system integrators it is the perfect choice to build up the systems which will fit them the best. **EXOCAD** in integration with Medit T300/T500 scanner provides users a verified compatible system.

- Automatic designing process (via Wizard or Expert)
- Quick gingiva designing for implant cases
- Open implant and attachment library
- Variety of «Cut-back» options for full anatomic and hybrid Konstrukcijas

STCCEXOMODELC	Exocad module Model Creator
STCCEXOSMILECR	Exocad module Smile Creator
STCCEXOFULLDENT	Exocad module Full Denture
STCCEXOPARTIAL	Exocad module PartialCAD
STCCEXOBITESP	Exocad module Bite Splint
STCCEXOJMI	Exocad module Jaw Motion import
STCCEXOINCADN	Exocad module In-CAD Nesting
STCCEXONESTING	Exocad module Nesting (includes In-CAD Nesting)
CCEXODEMO	Exocad Dental CAD Demo version

### **CC POWER**



Compact and precise 5-axis milling unit combined with power for the most demanding ones!

CC POWER milling unit is due to its compact design and high productivity, which are reinforced by a superior power, suitable for larger laboratories or milling centres, who are looking for reliability, precision and immense capacity.

Main motor: Jäger GmbH (Germany) Motor speed: 300 - 60.000 rpm Engine power: 2,50 kW





**CC POWER** has a holder for up to 18 rotating instruments of diameter Ø 6 mm. For optimal results CC POWER makes control of the rotating instrument before each use.

#### Technical information CC POWER

Number of axis	5	Capacity of e
Working area X, Y, Z axis	50 x 200 x 70 mm	Touch screen
Working area A, B axis	360°; ±15°	Operating Sys
Motor speed	300 - 60.000 rpm	Power supply
Engine power	2,50 kW	Air pressure
Milling options	Wet/Dry	Construction
Dimensions W x H x D	760 x 1600 x 1080 mm	Disc dimensio
		Weight
Material	composite, zirconium,	CoCr, Peek, PM

	5	Capacity of end mills	18 pcs - automatic changing
axis	50 x 200 x 70 mm	Touch screen Tablet F	PC 11,6" screen
is	360°; ±15°	Operating System	Windows 10
	300 - 60.000 rpm	Power supply	230 V / 50 - 60 Hz
	2,50 kW	Air pressure	min. 6 bar and 120 l/min
	Wet/Dry	Construction	Cast steel base
D	760 x 1600 x 1080 mm	Disc dimension	fi 98 mm and holder for 6 blocks up to the size 40 mm
		Weight	450 kg
	composite, zirconium,	CoCr, Peek, PMMA, gla	ss ceramic, hybrid ceramic, lithium disilicate, titan, wax











CC COSMO+ has a holder for up to 20 rotating instruments of diameter  $\emptyset$  6 mm. For optimal results **CC COSMO+** makes control of the rotating instruments

· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
city of end mills		20 pcs - automatic changing	
screen Tablet PC		11,6" screen	
System		Windows 10.1	
rsup		230 V / 50 - 60 Hz	
essur		min. 6 bar and 120 l/min	
ructic		Cast steel base	
on	n ano. 6	blocks up to the size 40 mm	
nt		220 kg	
eek, PMMA, glass ceramic, hybrid ceramic, lithium disilicate, titan, wax			
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### CC POWER and CC COSMO+



#### CC POWER and CC COSMO+ offer you an extremely wide choice of materials:

- CoCr
- Titanium
- Zirconium
- PMMA-acrylic
- Glass ceramic

Composite

• Wax

Hybrid ceramic





The material for milling is in the most common form - discs  $\emptyset$  98 mm. There is also adapter available for smaller ceramic blocks.

• Lithium disilicate

Peek

SUM3D is used for milling strategies and it is one of the best dental CAM programs on the dental field. The system is fully open and easy to use. CC POWER and CC **COSMO+** have pre-set milling strategies for all the materials already in the program.

Cast steel base of the units is responsible for long life span and minimal vibration in the process of operation, which ensures the accuracy of manufacture.

The control system contains a combination of electronic and industrial components, which provide high-quality and reliable operation. Milling units have touch screen tablet PC with pre-installed Windows 10, internet access and the possibility of remote servicing.

#### Unit connection:

ORDER NR.

0677

0678

0626

0632

0633

0634

• Power supply, 230 V

CC COSMO+

CC POWER

Adapter for glass-ceramic blocs

Starter kit for Cerec blocs

Starter kit with Interdent discs - CC COSMO+

Starter kit with Interdent discs - CC POWER

• Air pressure min. 6 bar air flow min. 120 l/min











### CC newCHIC

# Mini 4-axis milling unit for milling blocks, specially designed for dental clinics and laboratories as well.

Due to its size and the wet milling option, the **CC newCHIC** milling unit is suitable for dental clinics and dental laboratories which only want to mill small blocks, or use it as a second milling unit.



Main motor:SFZ 170P (Germany)Motor speed:100.000 rpmEngine power:600 W

The CC newCHIC has a holder for up to 6 rotating instruments of diameter Ø 3 mm with maximum length 35 mm.

#### Advantages:

- Smart touchscreen operation
- Coloured working chamber illumination indicates
  machining status
- Webcam for remote monitoring
- Automatic changer for 6 tools
- Colour coded tools
- Automatic changer of tools with the help of compressed air
- Automatic verification of the mill length

		ORDER NR.		
		594 CC newCHIC	591	Drills set CC newCHIC, á 32
Technical information CC	newCHIC			
Number of axis	4	Capacity of end mills		6
Working area, A axis	+190° to -10°	Touch screen		Integrated
Construction	Massive aluminum cast	Interface		InterdentCAM
Motor speed	100.000 rpm	Power supply	••••••	100-240 V / 50-60 Hz
Motor power	600 W	Air pressure	Integrate	ed compressed air production
Milling options	Wet – integrated water container	Dimensions W x H x D		471 x 507 x 522 mm
		Weight		66 kg
Material	Glass ceramic, hybrid ceramic, lithiu	m disilicate, composite, zirco	nium, PMMA	A, titanium pre-milled abutments
Working area, A axis Construction Motor speed Motor power Milling options Material	+190° to -10° Massive aluminum cast 100.000 rpm 600 W Wet – integrated water container Glass ceramic, hybrid ceramic, lithiu	Touch screen Interface Power supply Air pressure Dimensions W x H x D Weight m disilicate, composite, zirco	Integrate	Integr Interdent 100-240 V / 50-6 ed compressed air produc 471 x 507 x 522 6 4, titanium pre-milled abutm





- Tool-free material mount (1-click mounting)
- Working chamber with anti-graffiti coating for minimum cleaning effort
- Removable and dishwasher-proof water tank
- Integrated Wi-Fi module
- Extremely quiet, due to internal insulation and thickwalled die casting housing
- No external compressed air supply necessary
- Direct integration with CAD SW

### HOLDER FOR PREMILL ABUTMENTS



Abutment holders are available for CC newCHIC, CC COSMO, CC newCOSMO.





ORDER	NR.	
568	CC newCHIC	

### CC Zr-Fire S

The furnace for dental laboratories is suitable for sinter firings of any type of dental materials, such as ZrO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub>. Compact design and excellent quality ensure perfect results and a long life span. Possibility of fast sintering.

#### Advantages:

- Sintering up to 25 units
- High quality heaters and even temperature distribution
- Gentle sintering of all conventional materials such as white and highlytranslucent industrially and manually pre-coloured zirconia
- Rapid increase of temperature
- Controlled cooling
- 10 programs
- Program restarts after
- short power failure
- Compact design

#### **Technical information**

Power supply	220 V AC ±10 % / 50 Hz
Power consumption	1.650 W
Maximal firing temperature	1.550 °C
Fire rate up to 1200 °C	1 - 50 °C
Fire rate from 1200 °C up to 1550 °C	1 - 30 °C
Cool rate	2 - 10 °C
Number of programs	10
Working temperature	5 - 40 °C
Effective firing chamber dimensions	100 x 100 x 100 mm
Dimensions W x H x L	420 x 870 x 400 mm



°C	ORDER NR.	
	669	CC Zr-Fire S cpl
im.	692	Ceramic tray
nm	693	Zirconium beads

11111111

### End mills for CC POWER, CC COSMO+

End mills for CoCr and Ti			End mills for
ORDER NR.:	SIZE	SHAPE	ORDER NR.:
CCNP0.6B	0.6 mm	round	CCPMMA0.3B
CCNP1B	1,0 mm	round	CCPMMA0.6B
CCNP1.5B	1.5 mm	round	CCPMMA1B
CCNP1.5S	1.5 mm	straight	CCPMMA2B
CCNP1.5P	1.5 mm	pointed	CCPMMA3B
CCNP2B	2,0 mm	round	CCNP1.5S
CCNP2S	2,0 mm	straight	CCNP2S
CCNP2.5P	2.5 mm	pointed	CCNP1.5SL
CCNP3T	3,0 mm	torus	CCNP1.5SLR
CCNPTI3T	3,0 mm	torus	
CCNP1S	1,0 mm	straight	
CCNP1.5SL	1,5 mm	straight	

Diameter of the shank is 6 mm.

End mills for CC COSMO+ come with a ring. When ordering end mills with ring for cc COSMO+, please add letter »R« at the end of the order number. (example: CCNP2BR)

## End mills for CC newCHIC, CC TRENDY, CC newCOSMO

#### End mills UNIVERSAL

ORDER NR.:	SIZE	SHAPE	MILL LENGTH
CCU060-R2-35	0,6 mm	round, 2 tooth cutter	35 mm
CCU060-R2-40	0,6 mm	round, 2 tooth cutter	40 mm
CCU120-F2-35	1,2 mm	straight, 2 tooth cutter	35 mm
CCU120-F2-40	1,2 mm	straight, 2 tooth cutter	40 mm
CCU030-R2-35	0,3 mm	round, 2 tooth cutter	35 mm
CCU030-R2-40	0,3 mm	round, 2 tooth cutter	40 mm
CCU050-F2-35	0,5 mm	straight, 2 tooth cutter	35 mm
CCU050-F2-40	0,5 mm	straight, 2 tooth cutter	40 mm

#### End mills for PMMA

ORDER NR.:	SIZE	SHAPE	MILL LENGTH
CCP100-R2-35	1,0 mm	round, 2 tooth cutter	35 mm
CCP100-R2-40	1,0 mm	round, 2 tooth cutter	40 mm
CCP200-R2-35	2,0 mm	round, 2 tooth cutter	35 mm
CCP200-R2-40	2,0 mm	round, 2 tooth cutter	40 mm
CCP250-F1-35	2,5 mm	straight, 1 tooth cutter	35 mm
CCP250-F1-40	2,5 mm	straight, 1 tooth cutter	40 mm
CCP100-R1-35 CCP100-R1-40 CCP200-R1-35 CCP200-R1-40	1,0 mm 1,0 mm 2,0 mm 2,0 mm	round, 1 tooth cutter round, 1 tooth cutter round, 1 tooth cutter round, 1 tooth cutter	35 mm 40 mm 35 mm 40 mm
	ORDER NR.: CCP100-R2-35 CCP200-R2-40 CCP200-R2-40 CCP200-R2-40 CCP250-F1-35 CCP250-F1-40 CCP100-R1-35 CCP100-R1-35 CCP100-R1-35 CCP200-R1-35 CCP200-R1-40	ORDER NR.:      SIZE        CCP100-R2-35      1,0 mm        CCP200-R2-40      1,0 mm        CCP200-R2-35      2,0 mm        CCP200-R2-40      2,0 mm        CCP200-R2-40      2,0 mm        CCP200-R2-40      2,5 mm        CCP250-F1-35      2,5 mm        CCP100-R1-35      1,0 mm        CCP100-R1-35      1,0 mm        CCP200-R1-35      2,0 mm        CCP200-R1-35      2,0 mm	ORDER NR.:      SIZE      SHAPE        CCP100-R2-35      1,0 mm      round, 2 tooth cutter        CCP200-R2-35      2,0 mm      round, 2 tooth cutter        CCP200-R2-35      2,0 mm      round, 2 tooth cutter        CCP200-R2-40      2,0 mm      round, 2 tooth cutter        CCP200-R2-40      2,0 mm      round, 2 tooth cutter        CCP20-R1-35      2,5 mm      straight, 1 tooth cutter        CCP250-F1-40      2,5 mm      straight, 1 tooth cutter        CCP100-R1-35      1,0 mm      round, 1 tooth cutter        CCP100-R1-35      2,0 mm      round, 1 tooth cutter        CCP200-R1-40      2,0 mm      round, 1 tooth cutter        CCP200-R1-35      2,0 mm      round, 1 tooth cutter

#### End mills for ZIRCONIUM

ORDER NR.:	SIZE	SHAPE	MILL LENGTH
CCZ100-R2-35	1,0 mm	round, 2 tooth cutter	35 mm
CCZ100-R2-40	1,0 mm	round, 2 tooth cutter	40 mm
CCZ200-R3-35	2,0 mm	round, 3 tooth cutterje	35 mm
CCZ200-R3-40	2,0 mm	round, 3 tooth cutterje	40 mm
CCZ060-R2D-40	0,6 mm	round, 2 tooth cutter, diamond coated	40 mm
CCZ100-R2D-40	1,0 mm	round, 2 tooth cutter, diamond coated	40 mm
CCZ200-R3D-40	2,0 mm	round, 3 tooth cutter, diamond coated	40 mm
CCZ120-F2D-40	1,2 mm	straight, 2 tooth cutter, diamond coated	40 mm
CCZ060-R2D-35	0,6 mm	round, 2 tooth cutter, diamond coated	35 mm
CCZ100-R2D-35	1,0 mm	round, 2 tooth cutter, diamond coated	35 mm
CCZ200-R3D-35	2,0 mm	round, 3 tooth cutter, diamond coated	35 mm
CCZ120-F2D-35	1,2 mm	straight, 2 tooth cutter, diamond coated	35 mm





#### **PMMA**

SIZE	SHAPE
).3 mm	round
).6 mm	round
,0 mm	round
2,0 mm	round
3,0 mm	round
l.5 mm	straight
2,0 mm	straight
l,5 mm	straight
l,5 mm	straight

### End mills for ZIRCONIUM

ORDER NR.: CCZR0.3B CCZR0.6B CCZR1B CCZR2B

SIZE 0.3mm 0.6mm 1.0mm 2.0mm SHAPE round round round round

### End mills for COMPOSITE

ORDER NR.:	SIZE	SHAPE	MILL LENGTH
CCC100-R2-35	1,0 mm	round, 2 tooth cutter	35 mm
CCC100-R2-40	1,0 mm	round, 2 tooth cutter	40 mm
CCC200-R2-35	2,0 mm	round, 2 tooth cutter	35 mm
CCC200-R2-40	2,0 mm	round, 2 tooth cutter	40 mm

### End mills for CoCr and Ti

ORDER NR.:	SIZE	SHAPE	MILL LENGTH
CCM060-R2-32	0,6 mm	round, 2 tooth cutter	32 mm
CCM060-R2-35	0,6 mm	round, 2 tooth cutter	35 mm
CCM100-R2-32	1,0 mm	round, 2 tooth cutter	32 mm
CCM100-R2-35	1,0 mm	round, 2 tooth cutter	35 mm
CCM200-R2-32	2,0 mm	round, 2 tooth cutter	32 mm
CCM200-R2-35	2,0 mm	round, 2 tooth cutter	35 mm
CCM200-R4-35	2,0 mm	round, 4 tooth cutter	35 mm
CCM200-R4-32	2,0 mm	round, 4 tooth cutter	32 mm
CCM120-T2-32	1,2 mm	torus, 2 tooth cutter	32 mm
CCM120-T2-35	1,2 mm	torus, 2 tooth cutter	35 mm

### End mills for GLASS CERAMIC

SIZE	SHAPE	MILL LENGTH
0,6 mm	round	35 mm
0,6 mm	torus	35 mm
1,0 mm	round	35 mm
1,2 mm	torus	35 mm
2,6 mm	torus	35 mm
2,4 mm	round	35 mm
	<b>SIZE</b> 0,6 mm 0,6 mm 1,0 mm 1,2 mm 2,6 mm 2,4 mm	SIZESHAPE0,6 mmround0,6 mmtorus1,0 mmround1,2 mmtorus2,6 mmtorus2,4 mmround

CC COSMO/COSMO STAR/newCOSMO CC TRENDY CC newCHIC

Max mill length is 40 mm. Max mill length is 40 mm. Max mill length is 35 mm.

### CC DISK NF CoCr

CoCr based disc for CAD/CAM system, free of nickel and beryllium which fulfils the requirement of the standard EN ISO 22674 for non-precious alloys and ISO 9693-1 for alloys intended for porcelain fused to metal restorations. It is made of biocompatible alloy, which is easy to polish, has small amount of oxides and is therefore extremely suitable for porcelain. Ideal coefficient of thermal expansion allows usage of wide range of different ceramics.





Composition	(Mass-%):	Properties				
Со	63,0	Туре		4		
Cr	24,0	Vicker's hardness	HV 10	285	ORDER NR.	Thickness
W	8,0	Coefficient of thermal expansion	25 - 500 °C	13,9 x 10 <sup>-6</sup> K <sup>-1</sup>	1900	8 mm
			20 - 600 °C	14,0 x 10 <sup>-6</sup> K <sup>-1</sup>	1901	10 mm
Мо	3,0	0,2 % Elongation limit	Rp 0,2	490 MPa	1902	12 mm
Si	1,0	E-modul	E	ca. 210.000 MPa	1903	13,5 mm
Nb, C	< 1	Ductile yield	A5	10 %	1904	18 mm

### CC DISK Ti2

CC DISK Ti2 is made of titanium grade 2. It is used in CAD/CAM milling machines for production of crowns, short range bridges, as for implant-based single unit suprastructures. CC DISK Ti2 meets demands of the standard EN ISO 22674.



Composition	(Mass-%):	Properties		
Ti	> 99	Туре		3
Fe, C	< 0,1	Vicker's hardness	HV 10	145
		Coefficient of thermal expansion	25 - 500 °C	9,6 x 10 <sup>-6</sup> K <sup>-1</sup>
	•••••••	Density	•••	4,51 g/cm <sup>3</sup>
	••••••	0,2 % Elongation limit	Rp 0,2	275 MPa (N/mm²)
		Tensile strenght	Rm	450 MPa (N/mm²)
		Ductile yield	A5	20 %

ORDER NR.	Thickness
1916	10 mm
1917	12 mm
1918	13,5 mm
1919	15 mm
1920	18 mm



	NITERDENT 1322 1335 71-5 22mm		RDENT
74	5	ORDER NR.	Thic ss
HV 10	353	1908	12
25 - 500 °C	9 8 x 10 <sup>-6</sup> K <sup>-1</sup>	1909	12 mm
20 000 0	1 /2 a/cm <sup>3</sup>	1910	13,5 mm
	4,45 y/cill <sup>2</sup>	1912	18 mm
Кр 0,2	828 MPa (N/mm²)	1921	20 mm
Rm	895 MPa (N/mm²)	1922	22 mm
A5	10 %	1923	25 mm

### CC DISK Zr Smile

**CC DISK Zr Smile** is made of biocompatible pre-sintered ZrO<sub>2</sub>. It has excellent mechanical properties, chemical stability, biocompatibility and translucency. It is intended for use in CAD/CAM milling machines for production of full anatomical restorations, as for classical frames ment for porcelain veneering that does not exceed 3 units. Due to its exceptional light transmission of 49 % at 1 mm and translucency, which is close to a lithium disilicate, is specifically designed for aesthetic solutions in anterior as well as posterior area!

CC DISK Zr Smile meets the demands of the standard for dental ceramic EN ISO 6872. Dimensions 14 and 18 mm are available also in colours A1, A2, A3, A3.5, B2, B3, C2 and D2. When ordering, add the number of the desired colour at the end of the order number (for example: 1952SA1).

### CC DISK Zr HT Multilayer

**The CC DISK Zr HT Multilayer** is made of biocompatible pre-sintered ZrO<sub>2</sub>. It has excellent mechanical properties, chemical stability, biocompatibility and translucency. It is intended for use in CAD/CAM milling machines for the production of full anatomical restorations, as for classical frames, meant for porcelain veneering that does not exceed 3 units. Due to its exceptional light transmission of 46 % at 1 mm and translucency, it is specifically designed for aesthetic solutions in the anterior as well as the posterior area. It meets the demands of the standard for dental ceramic EN ISO 6872.

ORDER NR.	Thickness	Colour
1952MLHT+colour	14 mm	A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3
1954MLHT+colour	18 mm	A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3
1956MLHT+colour	22 mm	A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3







Composition	(mass-%)	and	chara	cteristics

$ZrO_2 + Hfo_2 + Y_2O_3$	≥ 99
Y <sub>2</sub> O <sub>3</sub>	> 4,5 to ≤ 6,0
HfO <sub>2</sub>	≤ 5,0
Al <sub>2</sub> O <sub>3</sub>	≤ 0,5
Other	< 0,5
Density g/cm <sup>3</sup>	> 6,02
Flexural strength	> 800 Mpa
KTE 25°-1000°C:	10,5 x 10 <sup>-6</sup> K <sup>-1</sup>

### CC DISK Zr SMILE Multilayer

**The CC DISK Zr SMILE Multilayer** is made of biocompatible pre-sintered ZrO<sub>2</sub>. It has excellent mechanical properties, chemical stability, biocompatibility and translucency. It is intended for use in CAD/CAM milling machines for the production of full anatomical and cut-back restorations, as for classical frames, meant for porcelain veneering that does not exceed 3 units. Due to its exceptional light transmission of 49 % at 1 mm and translucency, which is close to a lithium disilicate, it is specifically designed for aesthetic solutions in the anterior area. It meets the demands of the standard for dental ceramic EN ISO 6872.

aaromia EN ICO COZO				Composition (mass-%) and characteristics:	
1	ceramic EN ISO	6872.		$ZrO_2 + Hfo_2 + Y_2O_3$	≥ 99
				Y <sub>2</sub> O <sub>3</sub>	> 4,5 to ≤ 6,0
		Thicknoss	Calour	Other	< 0,5
1		14 mm		Density g/cm <sup>3</sup>	> 6,02
	19525IVIL+COIOUI	14 11111	AI, AZ, A3, A3.3, DI, DZ, D3, CI, CZ, DZ, D3	Elovural strongth	> 600 Mp2
	1954SML+colour	18 mm	A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3	Flexuldi slieliylii	
	1956SML+colour	22 mm	A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3	KTE 25°-1000°C:	10,5 x 10 <sup>-6</sup> K <sup>-1</sup>
	ORDER NR. 1952SML+colour 1954SML+colour 1956SML+colour	Thickness 14 mm 18 mm 22 mm	<b>Colour</b> A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3 A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3 A1, A2, A3, A3.5, B1, B2, B3, C1, C2, D2, D3	Other Density g/cm <sup>3</sup> Flexural strength KTE 25°-1000°C:	< 0,5 > 6,02 > 600 Mpa 10,5 x 10 <sup>-6</sup> K

### **CC DISK WAX**

**CC DISK WAX** is made from temperature stable micro wax which burns out without residues. The stability of the wax composition allows the milling cutter to mill the narrowest space with high efficiency and gives smooth and homogeneous surface. The dropping point of 120 °C excludes the danger of chipset melting, therefore it can be easily cleaned from the milling unit.

ORDER NR.	Thickness	Туре
1980	20 mm	hard - beige colour
1981	20 mm	normal - grey colour
1982	14 mm	normal - grey colour





### **CC DISK PMMA**

**CC DISK PMMA** is used in CAD/CAM milling machines for production of temporary restorations, gingiva formers directly after implantation, for study try-ins and for checking the occlusal contacts before the final restoration (out of Zr or CoCr) is produced.





ORDER NR.	Thickness	Colour	
1931 + colour	12 mm		
1932 + colour	14 mm		
1933 + colour	15 mm	A1, A2, A3, B1,	
1934 + colour	16 mm	B2, B3, E1, E2,	
1935 + colour	18 mm	BL1, BL2, BL3	
1936 + colour	20 mm		
1937 + colour	25 mm		

Properties		
Vicker's hardness		26,6
Flexural strength		114 MPa (N/mm²)
E-modulus	Е	2771 MPa (N/mm²)

### **CC DISK PMMA Multilayer**

The CC DISK PMMA Multilayer is intended for use in CAD/CAM milling machines for the production of temporary restorations, gingiva formers directly after implantation, for study try-ins and for checking the occlusal contacts before the final restoration is produced. It is a multi-layered disc, composed of five shades of colour with gentle colour transitions that give a natural appearance.

ORDER NR.	Thickness	Colour
1941ML+colour	15 mm	A1, A2, A3, B1
1942ML+colour	18 mm	A1, A2, A3, B1
1943ML+colour	20 mm	A1, A2, A3, B1



€ 0197

Properties		
—— Vicker's hardness		26 HV
Flexural strength		114 MPa (N/mm²)
E-modulus	E	2771 MPa (N/mm²)

### **CC DISK PMMA Transparent**

CC DISK PMMA Transparent is used in CAD/CAM milling machines for production of reduced frameworks for casting, full or partial constructions for press ceramic and for try-ins before the production of final restorations. Burns out without residues.

ORDER NR.	Thickness
1963	12 mm
1964	14 mm
1965	15 mm
1966	16 mm
1967	18 mm
1968	20 mm
1969	25 mm

### **CC DISK PMMA Pink**

CC DISK PMMA Pink is used in CAD/CAM milling machines for production of base for total and partial prosthesis and for immediate load denture on the dental implants as a long term provisional solution.

#### Properties

Vicker's hardness 26,6 114 MPa (N/mm<sup>2</sup>) Flexural strength E-modulus 2771 MPa (N/mm<sup>2</sup>) Residual monomer <1%

ORDER NR.	Thickness
1960	25 mm
1961	27 mm
1962	30 mm

### CC DISK PMMA X-Ray Opaque

CC DISK PMMA X-Ray Opaque is used in CAD/CAM milling machines for making x-ray visible teeth on implant diagnostic template to see the placement of the teeth while planning the position of the dental implant.

	ORDER NR.	Thickness
	1970	12 mm
	1971	14 mm
	1972	15 mm
	1973	16 mm
Properties	1974	18 mm
	1975	20 mm
Contains x-ray visible powder.	1976	25 mm





Properties Made of 100 % organic material. Burns out without residue.



### SUPPORT AND EDUCATION



You are deciding to buy a milling unit, you just made a purchase or you have been using the milling unit for a longer period of time? Interdent CAD/CAM Team is here for you!

#### I am deciding to buy

In the company INTERDENT we will be happy to assist you with your very important decision. According to your needs we will advise you a suitable unit that will optimize your working processes in laboratory.





#### I just made a purchase

The first major step has already been realised and thus enter the INTERDENT CAD/CAM Team, where you will find professional approach of experienced dental technicians and CAD/CAM specialists. You will learn how to use the machine and materials. Together with them you will connect your dental expertise with hightech computer technology and learn the foundations for optimal results and efficient work.

### MILLING CENTRE

Within the CAD/CAM System we also offer milling centre service, that will help you to reduce costs of your laboratory and will improve the quality and productivity of the work.

#### Accuracy

We guarantee high precision technology, both for design and for the implementation. Only certified material with LOT number for traceability is used.



#### Flexibility

There are different materials and thicknesses available for different indications. Material: CoCr, Ti2, Ti5, Zr, Zr HT, Zr-coloured, PMMA, PMMA Pink, PMMA Transparent, PMMA X-ray, glass-ceramic, lithium disilicate,...



#### Delivery

STL format or model, which arrives till 12 am is processed within 48h. It does not apply to Saturdays, Sundays and public holidays. Delivery time is stated in the price list and depends on the general conditions of the deliverer.

# I am already using a milling unit for a longer period of time!

CC POWER, CC COSMO+, CC newCOSMO, CC TRENDY or CC newCHIC milling unit has become the centre of your practice. After a certain time, new questions occur, so the only effective, available, fast and professional support is the most important thing you need and that is what INTERDENT CAD/CAM team will provide you. We will be at your disposal either in person or over the phone or camera.



#### Simplicity

- Simple high-tech technological process. You can send
- to our milling centre either document in STL format or a model which must be adequately prepared.



#### Open system

- Our service is open. It can accept files from a variety of
- r different systems that are available in STL format.



#### Order

For the design in STL format the order can be done through the website **www.interdent.cc** or email address **cadcam@interdent.cc**. To order a scan and design, the model needs to be sent by post to Interdent d.o.o, Milling center, Opekarniška cesta 26, 3000 Celje, Slovenia.

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