



CORiTEC one | one<sup>+</sup>

# The CORiTEC one series

WHAT ARE THE DIFFERENCES?

	COR TEC one	COR TEC one <sup>+</sup>
Number of axes	4	5
Number of tool positions	6	10
Spindle power/rpm	750 watt / 100.000 rpm	
Quick-Clamping-System (manuel)		✓
98 mm blank processing	-	✓
Integrated coolant tank		✓
C-Clamp processing	-	optional
98 mm blank holder	-	included
Universal fixture for glass ceramic and premilled abutments	included	included
6-fold glass ceramic holder (for 98 mm blank holder)	-	included



VERSATILE IN  
all cases



# imes-icore® chairside/practice lab

## WORKFLOW AND COMPONENTS



# CORiTEC one®

## THE INTELLIGENT PRACTICE LAB SOLUTION

The new CORiTEC one® machine is a perfect choice for processing all common designed CAD/CAM blocks. With the new extremely stable axis kinematics, the machine is also capable to mill prefabricated abutments.

The high-quality cast aluminum construction ensures maximum stability with a minimum footprint. An integrated powerful PC along with 10'1" HD touch screen display support a comfortable and ergonomic operation. A single block holder with six tool positions and smart tool replacement function guarantee an economical, safe and fast machining process with the highest quality. CORiTEC one is ideally suited every dental office, practice laboratories and clinics in combination with all open scanners. As a supplemental system for the specialized processing of glass ceramics, zirconia, composite and premilled abutments the CORiTEC one leaves nothing to be desired either for clinics, laboratories or milling centers.

\*optional






# CORiTEC one®

## HIGHLIGHTS

- Novel closed mono-block cast body for stability and precision
- Self-sufficient operation without external compressed air possible
- Optimized for the integrated CAD/CAM workflow with exocad
- Very fast grinding and milling process
- Short amortization period
- High precision due to integrated temperature compensation
- Machining of all common material blocks and prefabricated abutments
- Minimal footprint
- No external PC required
- Auto-Calibration\*
- Automatic cleaning function\*

\*in preparation



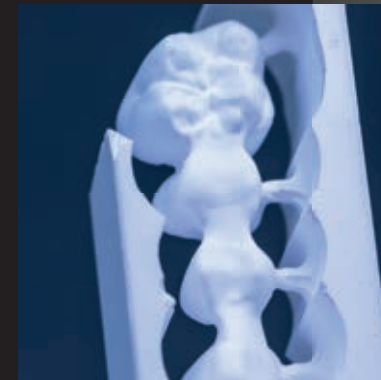
PMMA	WAX	1-fold holder (blocks/premilled abutments) 	Crown, Bridge	Inlay, Onlay Veneer	Bridge larger 3 units	Splint
Zr Pre-sintered	Zr Full dense sintered		Full Denture	Model	Drilling template	Model casting
PEEK	COMPOSITE		Bridge	Telescopic technology	Abutment	Hybrid Abutment
Glass ceramics	SINT					
Premilled CoCr-Abutment	Premilled Ti-Abutment					

# CORiTEC one<sup>+</sup>

## THE EXTENDED CHAIRSIDE MILLING SYSTEM

The CORiTEC one<sup>+</sup> is the high-end model in the chairside area. Due to the 5-axis simultaneous technology, the C-Clamp holder and the blank holder can be integrated in addition to the single universal holder. This generates new application options and exceeds the dentist's expectations. The compact and stable basic design of the machine enables precise work in block and blank shapes. Look and see for yourself and be convinced about the functionality and performance of CORiTEC one<sup>+</sup>, which reaches all the dentist's desires.

\*optional





# CORiTEC one<sup>+</sup>

## HIGHLIGHTS

- Novel, closed mono-block cast body for highest stability and precision
- No external PC required
- Half-open blank holder "C-Clamp" (optional)
- High precision due to integrated temperature compensation
- Self-sufficient operation without external compressed air possible
- Short amortization period
- Minimal footprint
- Auto calibration\*
- Automated cleaning function\*
- Turn-milling-grinding-processing possible

\*in preparation

ERGONOMIC  
HANDLING  
Simple graphical  
touchscreen operation

HALF-OPEN  
BLANK HOLDER  
"C-CLAMP"  
(OPTIONAL)

INTEGRATED  
TEMPERATURE COM-  
PENSATION



EASY CLEANING  
Fully coated  
enclosed wet cell

POWERFUL PERFORMANCE  
High end spindle for milling  
and grinding work up to  
100.000 rpm

INTEGRATED  
WATER TANK  
AND FILTRATION

PMMA	WAX	1-fold holder (blocks/premilled Abutments)				Crown, Bridge	Inlay, Onlay Veneer	Bridge larger 3 units	Splint
Zr-Pre sintered	Zr-full dense sintered	Standard	Dentures	C-Clamp					
PEEK	COMPOSITE	Block	Premilled Abutment	Quick-Clamping-System (manuel)		Full Denture	Model	Drilling template	Model casting
Glass ceramics	SINT					Bridge	Telescopic technology	Abutment	Hybrid Abutment
Premilled CoCr-Abutment	Premilled Ti-Abutment								

MAX PERFORMANCE

# in grinding and milling

## Applications & holders

### GRINDING BLOCK MATERIALS

- Production of all materials in milling/grinding
- Adapter also suitable for blocks of nano-composite



### PREFABRICATED ABUTMENTS

- Integrated systems: DESS, nt-trading, Medentika, zfx, Zimmer Biomet
- 360 degree processing feasibility
- Short set-up time due to multi-adapter



### BIOHPP ELEGANCE PREFABS

- Individual prefabricated abutment on PEEK basis
- BioHPP for permanent dentures, free of metal, oxide and monomer
- Homogeneous combination of titanium and BioHPP



### THERAPEUTIC SPLINTS

- Bite splints, bleaching splints
- Snoring splints, aligners
- Simple and high-quality implementation in CAD/CAM processes



### HALF-OPEN BLANK HOLDER (C-CLAMP)

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



### MILLING OF MODEL CASTS

- Production in combustible materials (PEEK)
- Allergy-free and lightweight model casting when using PEEK
- Cost-efficient





# CORiTEC one® | one+ TOOLS

Glass ceramic	Feldspar	Lithium disilicate	Lithium silicate	Hybrid ceramics	Composite	Full dense sintered zirconia
<b>T21 - 2.5   3.0 mm</b> radius grinding tool (diamond)	<b>T22 - 1.0   3.0 mm</b> radius grinding tool (diamond)	<b>T23 - 0.6   3.0 mm</b> radius grinding tool (conical, diamond)				
Art.-No. 526005 2503	Art.-No. 526005 1003	Art.-No. 526005 0603				

PMMA	Wax	
<b>T11 - 2.5   3.0 mm</b> radius milling tool (single blade, slide coated)	<b>T12 - 1.0   3.0 mm</b> radius milling tool (single blade, slide coated)	<b>T15 - 0.6   3.0 mm</b> radius milling tool (conical)
Art.-No. 526004 2503c	Art.-No. 526004 1003c	Art.-No. 526016 0603

Pre-sintered zirconia		
<b>T13 - 2.5   3.0 mm</b> radius milling tool (diamond coated)	<b>T14 - 1.0   3.0 mm</b> radius milling tool	<b>T15 - 0.6   3.0 mm</b> radius milling tool (conical)
Art.-No. 526013 2503	Art.-No. 526013 1003	Art.-No. 526016 0603

Premilled Abutment	CoCr	
<b>T7 - 2.0   3.0 mm</b> radius milling tool (l = 12 mm)	<b>T8 - 1.5   3.0 mm</b> radius milling tool (l = 12 mm), universal	<b>T9 - 1.0   3.0 mm</b> radius milling tool (l = 9 mm)
Art.-No. 526029 2003	Art.-No. 526029 1503	Art.-No. 526029 1003

Premilled Abutment	Titanium	
<b>T2 - 2.0   3.0 mm</b> radius milling tool (l = 12 mm)	<b>T3 - 1.5   3.0 mm</b> radius milling tool (l = 12 mm), universal	<b>T4 - 1.0   3.0 mm</b> radius milling tool (l = 9 mm)
Art.-No. 526029 2003	Art.-No. 526029 1503	Art.-No. 526029 1003



# ChairsideCAD software



With the help of exocad ChairsideCAD, crowns, inlays, onlays, veneers and small bridges can be designed and manufactured directly at the treatment center in a very innovative and fast workflow. Using the integrated In-CAD Nesting module, the designed jobs can be placed directly in the block for calculating and milling by the machine.

## Add-on modules

MANY EXTENDED POSSIBILITIES

<b>TrueSmile module</b> Realistic visualization of the dental restorations	<b>Auto articulator module</b> Simulation of jaw movements for precise dynamic occlusion	<b>Provisional module</b> Design of temporary egg shells based on preoperative scans
<b>In-CAD nesting module</b> Positioning of restorations in milling blanks	<b>Smile creator</b> Predictable planning and preview of esthetic restorations	<b>Implant module</b> Design of abutments and directly screw-retained crowns and bridges

# Your benefits

### Increase patient satisfaction and improve efficiency

ChairsideCAD allows you to perform restorative dental procedures during a single visit dentistry.

### Create esthetic and functional restorations and enjoy usability

ChairsideCAD is easy to use and guides you step by step through the process. Therefore, No extensive training is necessary.

### Effortless collaboration with partners

ChairsideCAD facilitates communication with dental laboratories and production centers for better and more predictable results.

### Process an unlimited number of cases

ChairsideCAD has no hidden costs or click charges.

### Benefit from our proven software platform

exocad software has been an integral part of dental laboratories for 10 years.

### Maintain your flexibility

ChairsideCAD supports virtually any modification you make to your workflow, equipment or services.

### Expand your range of services

ChairsideCAD can be extended with various add-on modules according to your desires.



# CORiTEC SmartControl™

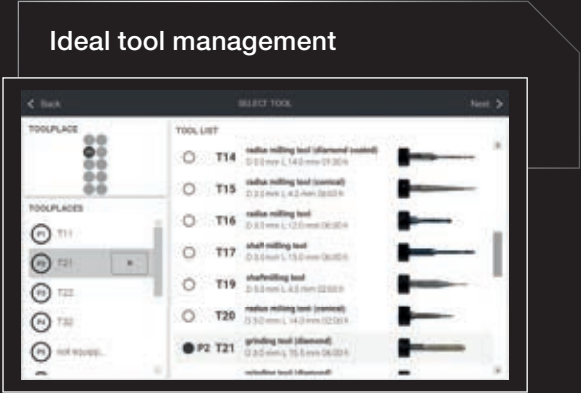
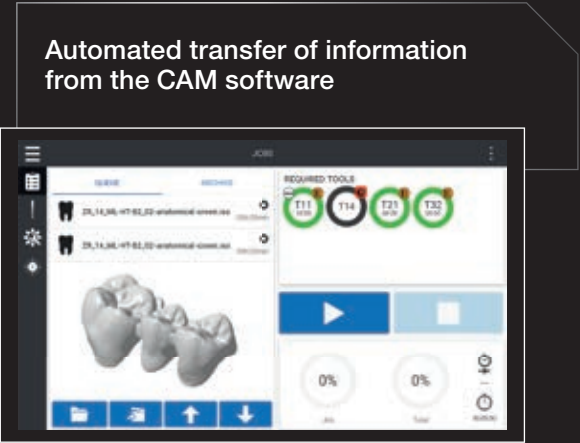
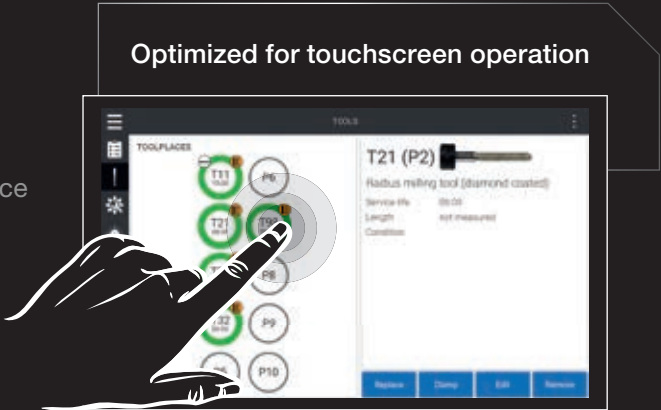
SMART CONTROL OF MACHINE SOFTWARE

## SmartControl™ one touch ahead!

The newly developed control software „SmartControl™“ provides absolutely intuitive operation of our milling machines. From selecting the job to milling or querying the machine status; the self-explanatory and optimized handling makes it possible to start operating the machine in the shortest possible time. Starting a milling process requires only two clicks – benefit from the smart time savings for your workflow!

## FEATURES

- Modern touch control design
- Easiest operation through intuitive graphical user interface
- High end performance for imes-icore® machines
- Remote monitoring
- Job management with 3D preview
- Multi-language support\*



# Intraoral scanners

COMPATIBLE WITH **exocad**

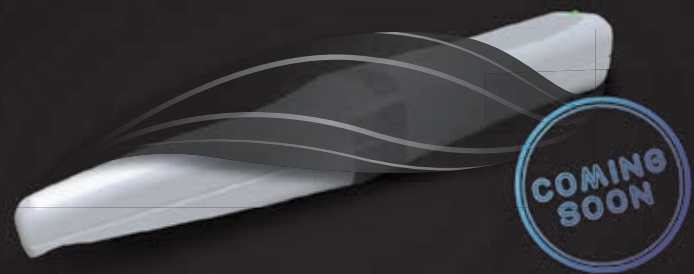
To achieve a fully integrated workflow, the new CORiTEC **one** machine system can be combined with all open intraoral scanners.

Producer	Scanner model
imes-icore	imes-icore IOS
Align	iTero
Carestream	CS 3600 / CS 3700
Medit	i500
Shining 3D	Aoralscan
Dentsply Sirona	Primescan



# imes-icore i-one Scan

AN EXCELLENT CHOICE FOR OUTSTANDING RESULTS – THE IMES-ICORE INTRAORAL SCANNER!



The imes-icore i-one Scan is a great upgrading to digital dentistry. A completely open system that allows you to work in your digital workflow. Regardless of how you want to design your work processes, our IOS enables efficient digital workflows - both chairside in your practice and in cooperation with your preferred partners. User friendly, in color, small, perfectly connected to exocad software and our both chairside milling machines CORiTEC **one** and CORiTEC **one**†.

\*in preparation

# Suction unit

## iVAC silent

The unit is equipped with a teflon filter cartridge, automatic filter cleaning and a dust drawer. With the suction power of 160m<sup>3</sup>/h the iVAC silent is perfectly suited for your CORiTEC one and one+. The unit can be stored on the optional machine table.

iVAC silent	
airflow	160 m <sup>3</sup> /hr
power	490 W
filter system	Teflon filter cartridge, automatic cleaning feature
filter volume	8 liters (dust drawer)
width x depth x height	9.6 x 19.6 x 17.3 inch / 245 x 500 x 440 mm
supply voltage	230 V
special features	suitable for machine tables T0, T1 and T2, quiet running, very compact, self-cleaning by vibration

# Machine table



## Machine table T0

The T0 offers stability and appealing optics. Steady castors guarantee the secure mobility of your machine. The dimensions of 422 x 540 x 900 mm/ 16.6 x 21.3 x 35.4 inch (W x D x H) provide sufficient utility space. Focusing on space-saving the T0 is equipped with drawers, cable bushing and storage room for the respective suction unit.

# Zirconia PROfessional Package

The complementary package for more possibilities



The latest generation of imes-icore CORiTEC one and one+ systems additionally offers a new package that enables dentists to mill pre-sintered zirconium oxide in dry processing. The **Zirconia PROfessional Package** is a complementary package to meet the dentist's desired properties. It offers the possibility to produce zirconium oxide units as precious as laboratory units with only 3 bar compressed air.

Finally, **Zirconia PROfessional Package** gives you the option to make the best use of your machine with the confidence that comes from outstanding results.





## wet milling

...IN THE  
CHAIRSIDE AREA

Both systems can be easily combined with the intraoral scanner (i-one Scan) from imes-icore. The perfect combination of the workflow with the exocad software guarantees the best user-friendly, precise and optimized systems for the chairside area.

## dry milling<sup>\*</sup>

UNSURPASSED  
FLEXIBILITY...

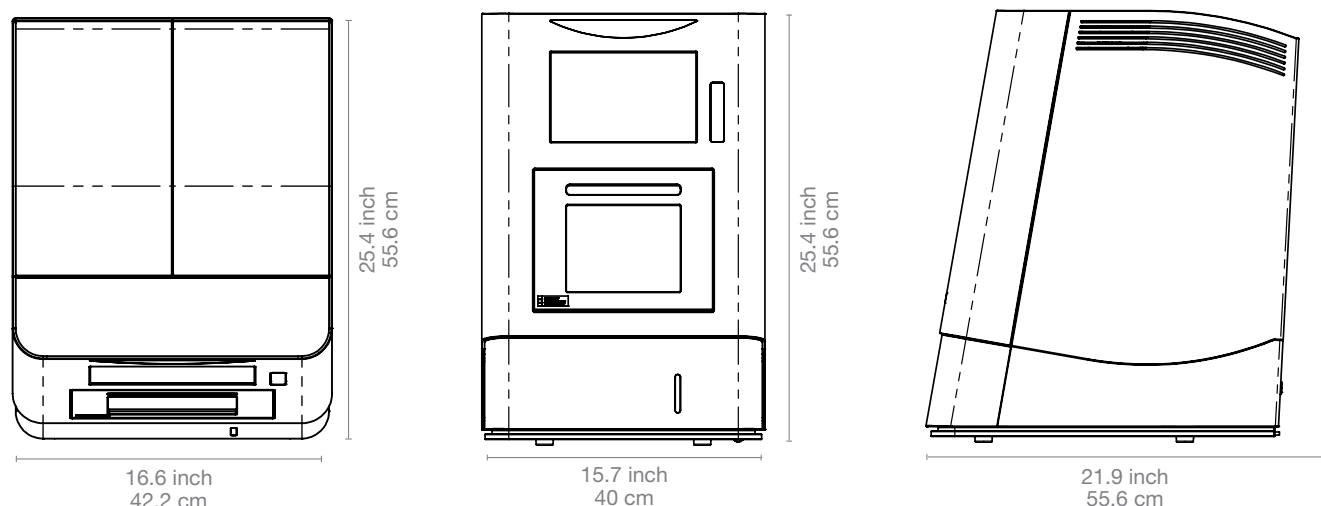
Both CORTEC one, as well as one<sup>+</sup> offer an unsurpassed range of indications with the possibility of wet and dry processing. Regardless of the chosen method, the stable core of the system offers the highest quality restoration.



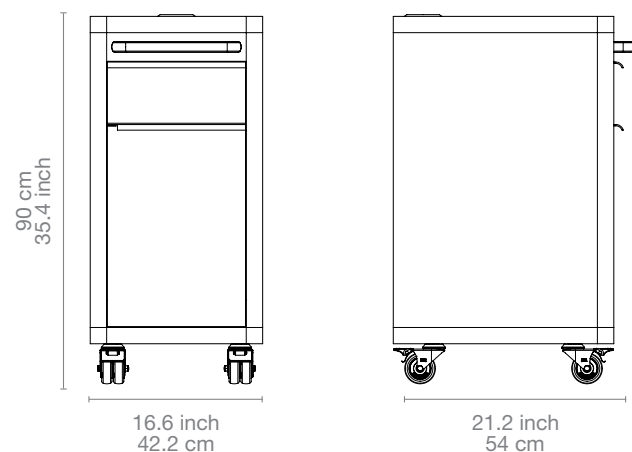
<sup>\*</sup>optional

# Dimensions

CORiTEC one® | one+



Machine table T0



# In numbers

mechanics / electronics	one®	one+
number of axes / operation type	4 axes simultaneous processing	5 axes simultaneous processing
angle of attack	± 180°	B-axis 130°
angle of rotation	A-axis 360°	A-axis 360°
spindle	high-frequency spindle	high-frequency spindle
maximum speed / spindle power	100.000 rpm 750 watt	100.000 rpm 750 watt
tools	milling and grinding tools with 3 mm tool shaft	milling and grinding tools with 3 mm tool shaft
tool changer	6-fold	10-fold
tool length control	≤ 0.002 mm precision	≤ 0.002 mm precision
integrated PC	Windows based	Windows based
monitor	integrated 10'1" touchscreen	integrated 10'1" touchscreen
illumination	3 LED status colors	3 LED status colors
software	SmartControl™ integrated CNC software	SmartControl™ integrated CNC software
air pressure	no external air pressure needed	no external air pressure needed
cooling liquid	3 liter integrated	3 liter integrated
connecting requirements		
weight	75 kg	77 kg
width x depth x height	16.6 x 21.9 x 25.4 inch / 422 x 556 x 644 mm	16.6 x 21.9 x 25.4 inch / 422 x 556 x 644 mm
line voltage / frequency / maximum power	100 V - 230 V / 50/60 Hz / 500 watt	100 V - 240 V / 50/60 Hz / 500 watt



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