

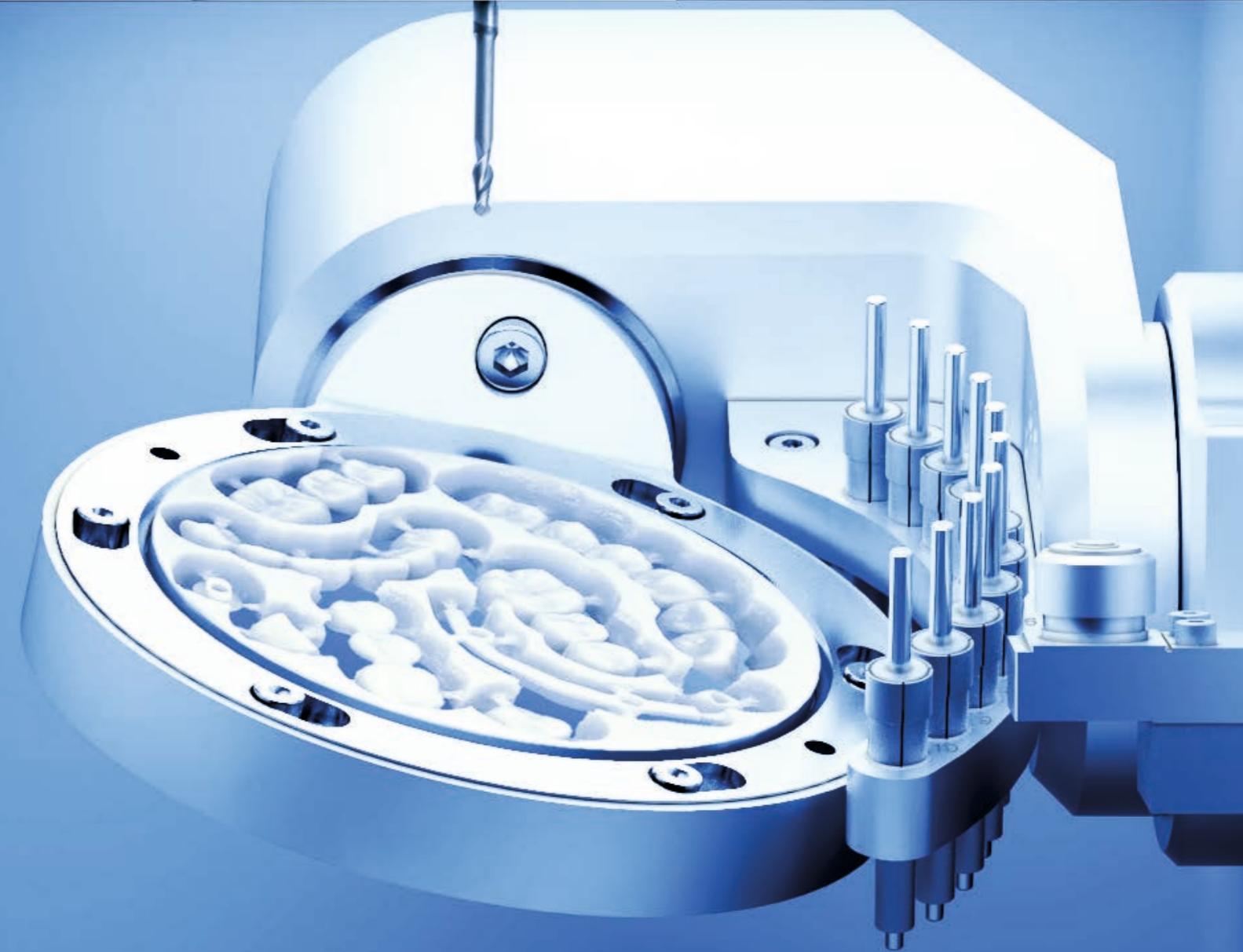


CORiTEC one | one<sup>+</sup>

# The CORiTEC one series

WHAT ARE THE DIFFERENCES?

|   | CORTEC one             | CORTEC 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<sup>®</sup> chairside/practice lab

## WORKFLOW AND COMPONENTS

### IOS

**imes-icore**  
i-one Scan

**Align** iTero

**Carestream** CS 3600

**Medit** i500

**Shining 3D** Aoralscan

**Dentsply Sirona**  
Primescan

... and other scanners

### CAD

**exocad**  
ChairsideCAD

### CAM

**iCAM** one  
**iCAM** one  
advanced  
**iCAM** one+

**CORiTEC**  
one<sup>®</sup>



**CORiTEC**  
one<sup>+</sup>



### Materials

Pre-sintered ZrO<sub>2</sub>

Full dense sintered ZrO<sub>2</sub>

Premilled Ti-Abutment

Wax

Premilled  
CoCr-Abutment

Glass ceramic

Lithium disilicate

Lithium silicate

Hybrid ceramic

Composite

PMMA / PEEK

### Tools

Milling and  
grinding tools



### Result

Crown/Bridge  
(up to 3 units)



Inlay, Onlay,  
Veneer



Hybrid  
Abutment



Abutment



Additional for CORiTEC one<sup>+</sup>

Splint



Drilling  
template



Full Denture



Bridge larger  
3 units



Model casting



Model



Bridge



Telescopic  
technology



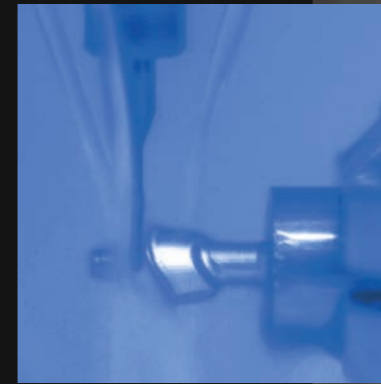
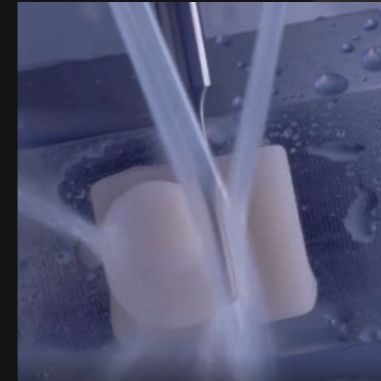
# CORiTEC one®

## 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 supports 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 laboratory and clinic in combination with all open scanners. As a supplemental system for the specialized processing of glass ceramic, zirconia, composite and premilled abutment the CORiTEC one leaves nothing to be desired either for clinics, laboratories or milling centers.

\*optional



approx. 16.6 inch / 42.2 cm



- WET
- DRY\*
- 4 AX
- 3 mm  
6x
- Temperature control icon
- Touch screen icon
- PC icon
- User profile icon
- Water tray icon



# CORiTEC one®

## HIGHLIGHTS

- Novel closed mono-block cast body for stability and precision
- Self-sufficient operation without external required compressed air
- 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



**ERGONOMIC HANDLING**  
simple touchscreen operating and full integrated PC




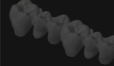








**EASY CLEANING**  
Fully coated  
Enclosed wet cell

**MINIMAL FOOTPRINT**  
ideal for dental office

**POWERFUL PERFORMANCE**  
high end spindle for milling and grinding up to 100.000 rpm

**SELF-SUFFICIENT OPERATION**  
No external Compressed air needed

**INTEGRATED WATER SUPPLY AND FILTRATION**

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

# CORiTEC one+

## THE EXTENDED CHAIRSIDE MILLING SYSTEM

The CORiTEC one+ 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 possibilities and more flexibility for creating the expected tooth restoration. 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+, which exceeds all expectations of the dentist.

\*optional



- WET
- DRY\*
- 5 AX
- 3mm  
10x
- Temperature control icon
- Touchscreen icon
- External display icon
- Operator icon
- Water tray icon



# CORiTEC one+

## 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 required compressed air
- Short amortization period
- Minimal footprint
- Auto calibration\*
- Automated cleaning function\*
- Turn-milling-grinding-processing possible

\*in preparation



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



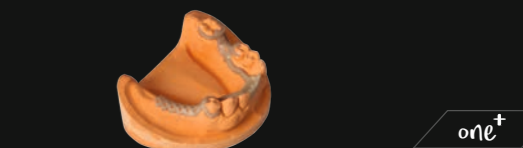
### HALF-OPEN BLANK HOLDER (C-CLAMP)

- 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><br>radius grinding tool (diamond)                       |   |   |                  |                 |           |                              |
|  |   |   |                  |                 |           |                              |
| Art.-No. 526005 2503  |   |   |                  |                 |           |                              |
|   | <b>T22 - 1.0   3.0 mm</b><br>radius grinding tool (diamond)                       |   |                  |                 |           |                              |
|   |  |   |                  |                 |           |                              |
|   | Art.-No. 526005 1003  |   |                  |                 |           |                              |
|   |   | <b>T23 - 0.6   3.0 mm</b><br>radius grinding tool (conical, diamond)                |                  |                 |           |                              |
|   |   |  |                  |                 |           |                              |
|   |   | Art.-No. 526005 0603  |                  |                 |           |                              |

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

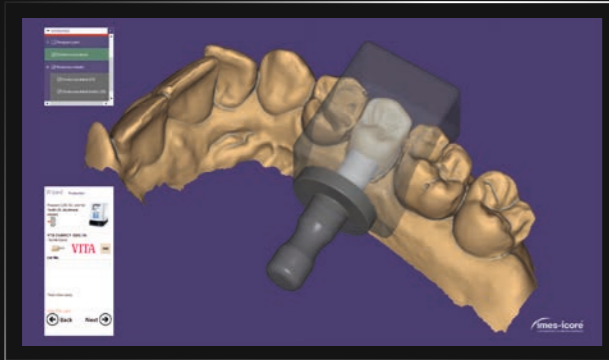
| Pre-sintered zirconia   |   |   |
|---|---|---|
| <b>T13 - 2.5   3.0 mm</b><br>radius milling tool (diamond coated)                   |   |   |
|  |   |   |
| Art.-No. 526013 2503  |   |   |
|   | <b>T14 - 1.0   3.0 mm</b><br>radius milling tool                                    |   |
|   |  |   |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

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

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

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

# 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™

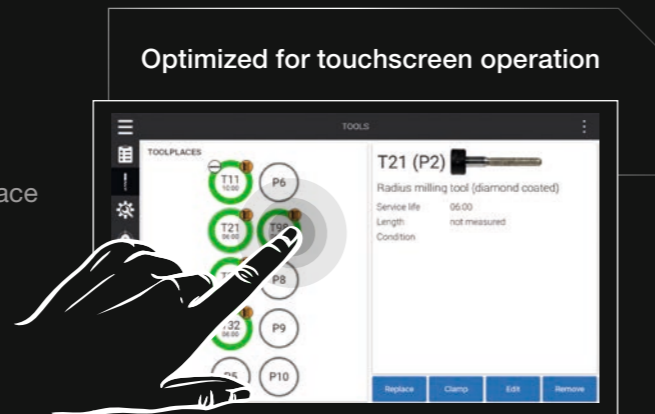
SMART CONTROL OF MACHINE SOFTWARE

## SmartControl™ one touch ahead!

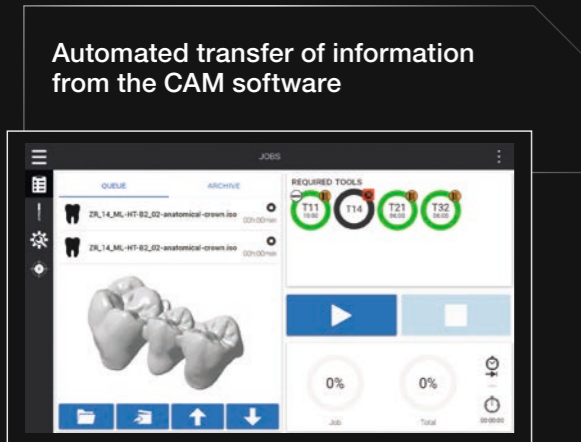
The newly developed control software „SmartControl™“ provides absolutely intuitive operation of our milling machines. From selecting the job to milling or querying the machine status; the self-explanatory and optimized handling makes it possible to start operating the machine in the shortest possible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

## FEATURES

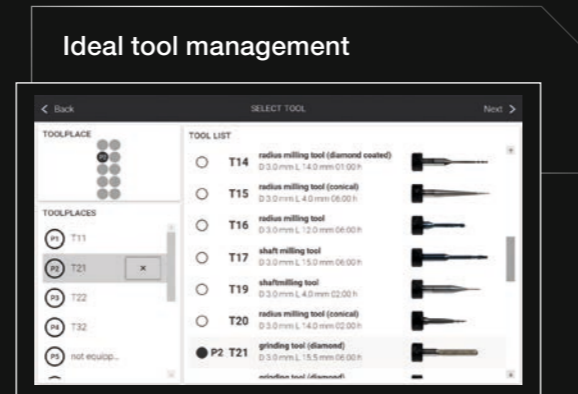
- Modern touch control design
- Easiest operation through intuitive graphical user interface
- High end performance for imes-icore® machines
- Remote monitoring
- Job management with 3D preview
- Multi-language support\*



Optimized for touchscreen operation



Automated transfer of information from the CAM software



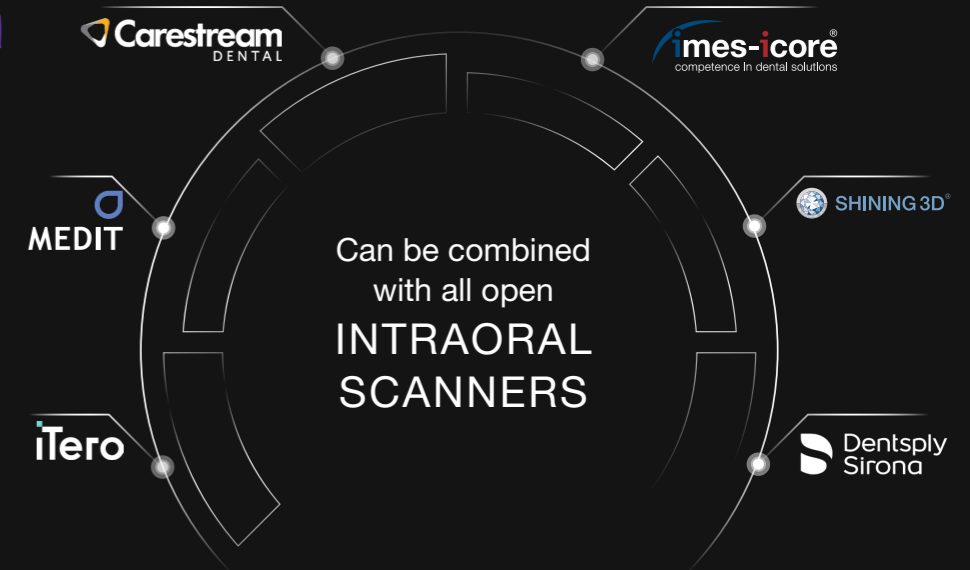
Ideal tool management

# Intraoral scanners

COMPATIBLE WITH **exocad**

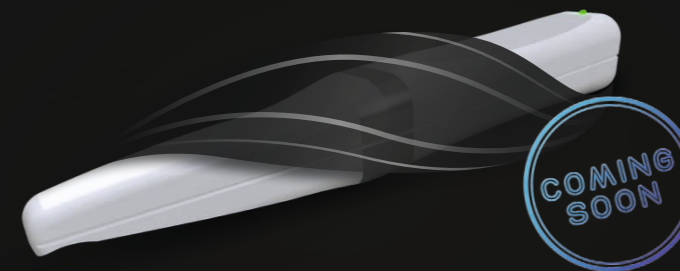
To achieve a fully integrated workflow, the new CORiTEC **one**® machine system can be combined with all open intraoral scanners.

| 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>/hr 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/30.28 gpm (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 **PRO**fessional 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\*

UNSURPASSED  
FLEXIBILITY...

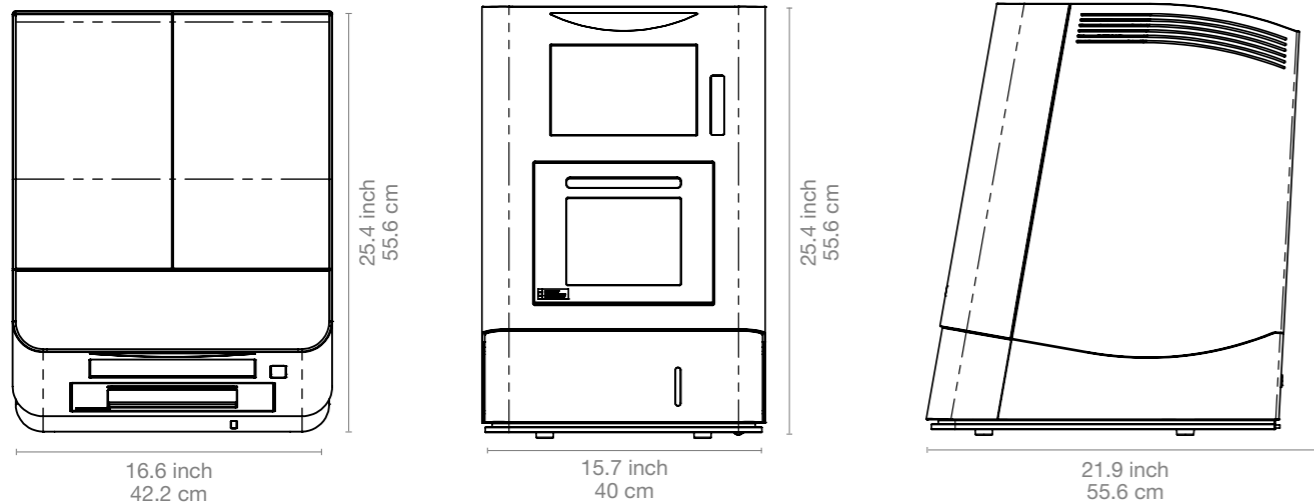
Both CORTEC one, as well as one+ offer an unsurpassed range of indications with the possibility of wet and dry processing. Regardless of the chosen method, the stable core of the system offers the highest quality restoration.

\*optional

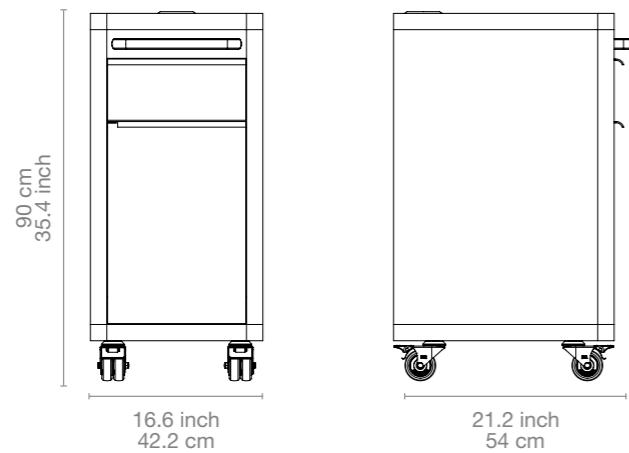


# Dimensions

## 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<br>750 watt                         | 100.000 rpm<br>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/11.36 gpm integrated                    | 3 liter/11.36 gpm integrated                    |
| <b>connecting requirements</b>       |   |   |
| weight                               | 77 kg / 169.8 lbs                               | 77 kg / 169.8 lbs                               |
| width x depth x height               | 16.6 x 21.9 x 25.4 inch /<br>422 x 556 x 644 mm | 16.6 x 21.9 x 25.4 inch /<br>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                 |



# Sales and support partner worldwide



Represented for you in over 100 countries.

imes-icore® GmbH has been a leading manufacturer and technology partner since 2003 in the field of dental CAD/CAM systems and solutions.

With its unique range of dental milling and grinding systems imes-icore® offers a perfect selection for all individual requirements of dental laboratories, milling centres and dental practices of all sizes.

Our “Open-System” product philosophy makes it possible to easily integrate our milling machines into your existing workflow and to integrate them with your open scanners and your CAD/CAM software. We are open for your material selection.

**imes-icore® GmbH**

Fon +49 (0) 66 72/898 228

Fax +49 (0) 66 72/898 222

dental@imes-icore.de