



imes-icore[®]
Dental & Medical Solutions



CORiTEC one | one⁺

The CORiTEC one series

WHAT ARE THE DIFFERENCES?

	CORiTEC one	CORiTEC one ⁺
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

IOS

CORiTEC

ione 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[®]



CORiTEC
one+



Materials

Pre-sintered ZrO₂

Full dense sintered ZrO₂

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+*

Splint



Drilling
template



Full Denture



Bridge larger
3 units



Model casting



Model



Bridge



Telescopic
technology



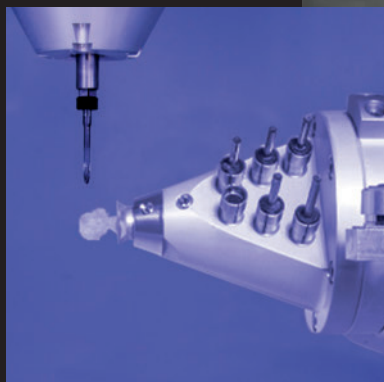
CORiTEC one®

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



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*

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

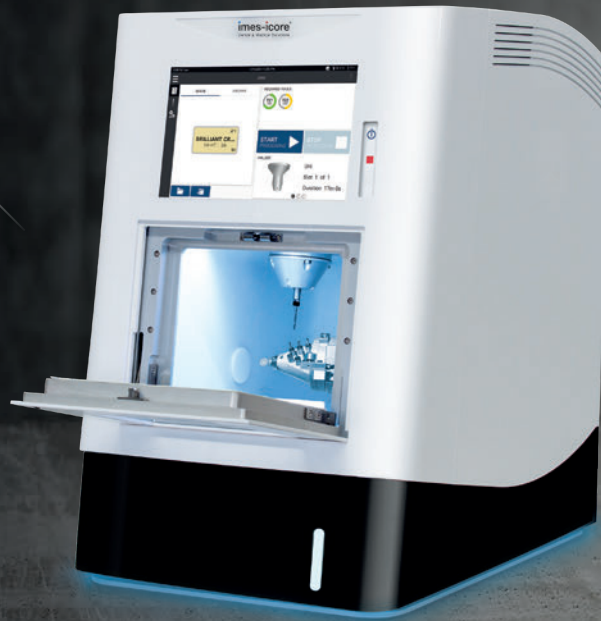
EASY CLEANING
Fully coated
Enclosed wet cell

**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**



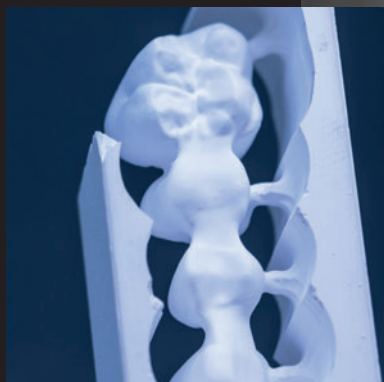
PMMA	WAX	1-fold holder (blocks/premilled abutments) 	Crown, Bridge	Inlay, Onlay Veneer	Bridge larger 3 units	Splint
Zr Pre-sintered	Zr Full dense sintered		Full Denture	Model	Drilling template	Model casting
PEEK	COMPOSITE		Bridge	Telescopic technology	Abutment	Hybrid Abutment
Glass ceramics	SINT				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

CORiTEC one⁺

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



approx. 16.6 inch / 42.2 cm



WET

DRY

5 AX

3 mm
10x



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

**ERGONOMIC
HANDLING**
Simple graphical
touchscreen operation

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

**INTEGRATED
TEMPERATURE
COMPENSATION**



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								
Zr- Pre sintered	Zr-full dense sintered	1-fold holder (blocks/premilled Abutments)	Standard	Dentures	C-Clamp	Crown, Bridge	Inlay, Onlay Veneer	Bridge larger 3 units	Splint
PEEK	COMPOSITE								
Glass ceramics	SINT	Block	Premilled Abutment	Quick- Clamping-System (manuel)		Full Denture	Model	Drilling template	Model casting
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
T21 - 2.5 3.0 mm radius grinding tool (diamond)						
Art.-No. 526005 2503						
	T22 - 1.0 3.0 mm radius grinding tool (diamond)					
	Art.-No. 526005 1003					
		T23 - 0.6 3.0 mm radius grinding tool (conical, diamond)				
		Art.-No. 526005 0603				

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

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

Premilled
Abutment

CoCr

T7 - 2.0 | 3.0 mm
radius milling tool (l = 12 mm)



Art.-No. 526029 2003

T8 - 1.5 | 3.0 mm
radius milling tool (l = 12 mm), universal



Art.-No. 526029 1503

T9 - 1.0 | 3.0 mm
radius milling tool (l = 9 mm)



Art.-No. 526029 1003

Premilled
Abutment

Titanium

T2 - 2.0 | 3.0 mm
radius milling tool (l = 12 mm)



Art.-No. 526029 2003

T3 - 1.5 | 3.0 mm
radius milling tool (l = 12 mm), universal



Art.-No. 526029 1503

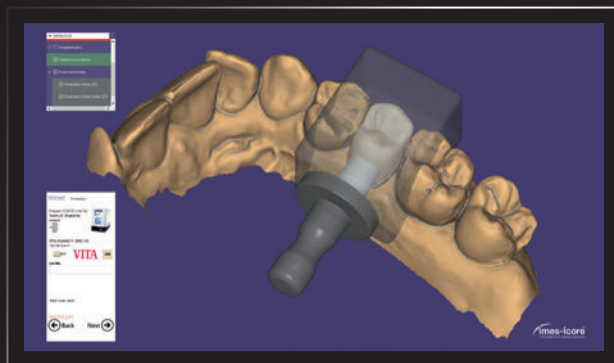
T4 - 1.0 | 3.0 mm
radius milling tool (l = 9 mm)



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

TrueSmile module

Realistic visualization of the dental restorations

Auto articulator module

Simulation of jaw movements for precise dynamic occlusion

Provisional module

Design of temporary egg shells based on preoperative scans

In-CAD nesting module

Positioning of restorations in milling blanks

Smile creator

Predictable planning and preview of esthetic restorations

Implant module

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

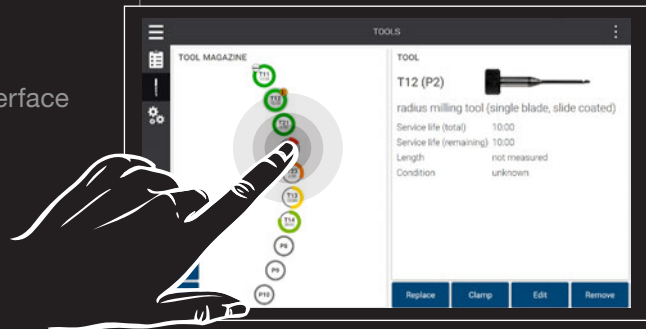
SmartControl™ one touch ahead!

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!

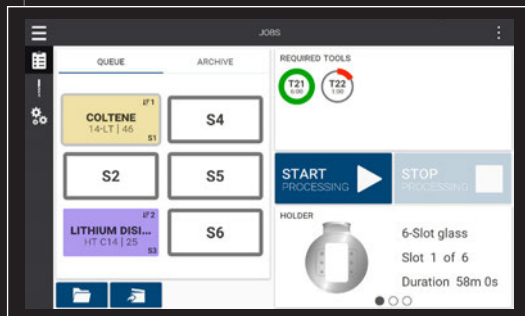
FEATURES

- 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*

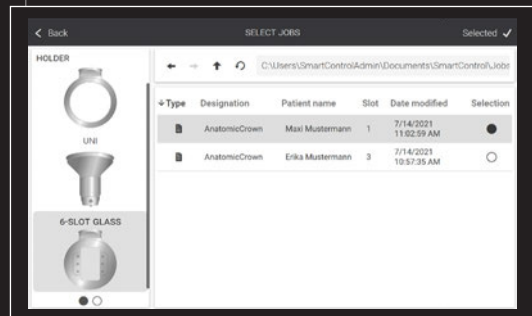
Optimized for touchscreen operation



Automated transfer of information from the CAM software



Ideal tool management



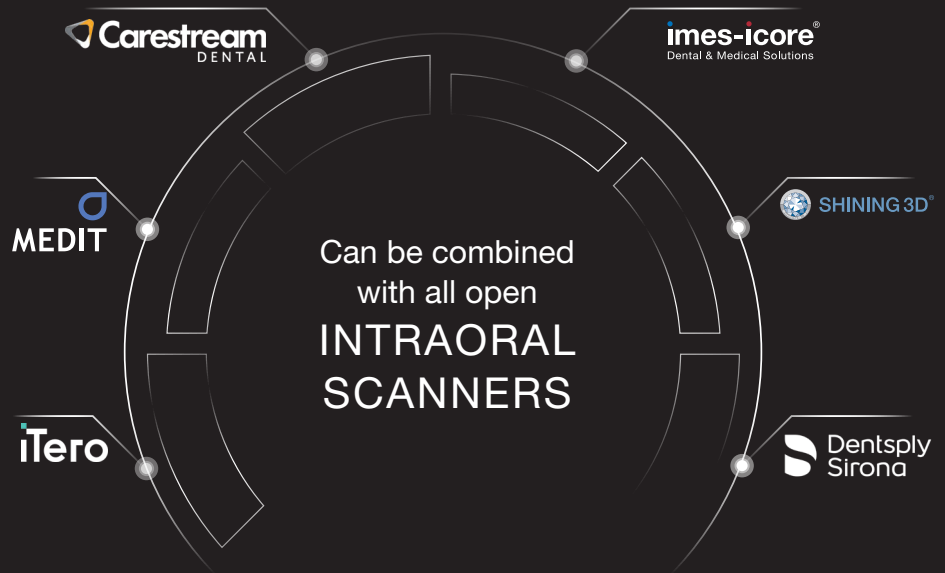
*in preparation

Intraoral scanners

COMPATIBLE WITH **exocad**

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

Producer	Scanner model
imes-icore	CORTEC <i>one</i> scan
Align	iTero
Carestream	CS 3600 / CS 3700
Medit	i500/i700
Shining 3D	Aoralscan
Dentsply Sirona	Primescan



CORiTEC *one* scan

AN EXCELLENT CHOICE FOR OUTSTANDING RESULTS – THE CORTEC *one* scan!



CORTEC *one* scan is a perfect upgrade for digital dentistry. A completely open system that allows you to work in your digital workflow. Regardless of how you want to process the work, CORTEC *one* scan guarantees an efficient digital chairside workflow for your practice lab as well as in cooperation with your preferred partners. User-friendly, intuitive, small, perfectly connected to exocad Chairside CAD and our two chairside milling machines CORTEC *one* and CORTEC *one*⁺.

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 160m³/hr the iVAC silent is perfectly suited for your COR TEC one and one+. The unit can be stored on the optional machine table.

iVAC silent	
Airflow	160 m³/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...

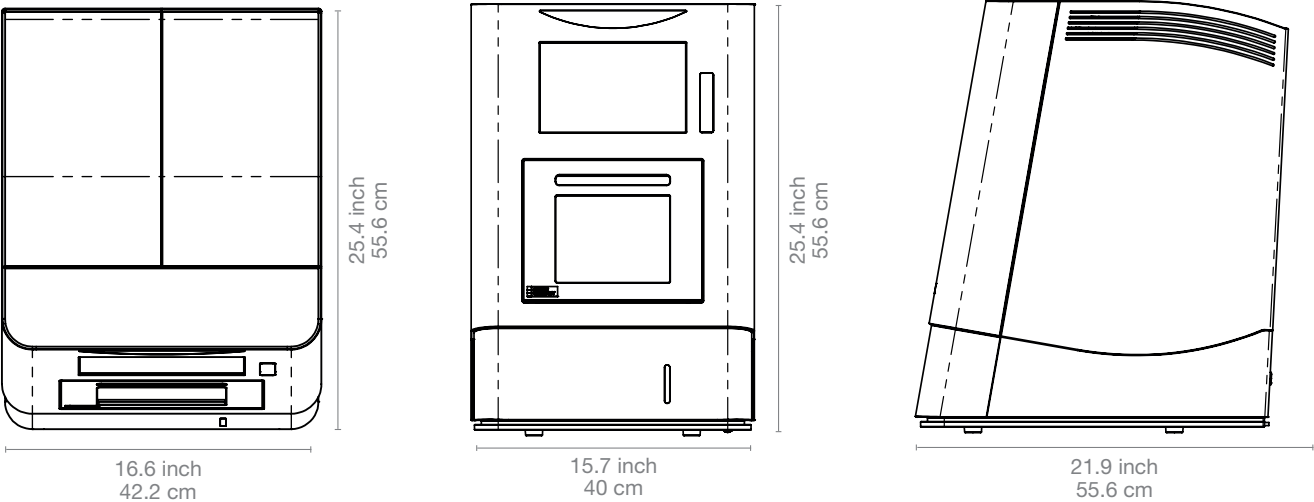
Both CORTEC one, as well as one⁺ offer an unsurpassed range of indications with the possibility of wet and dry processing. Regardless of the chosen method, the stable core of the system offers the highest quality restoration.



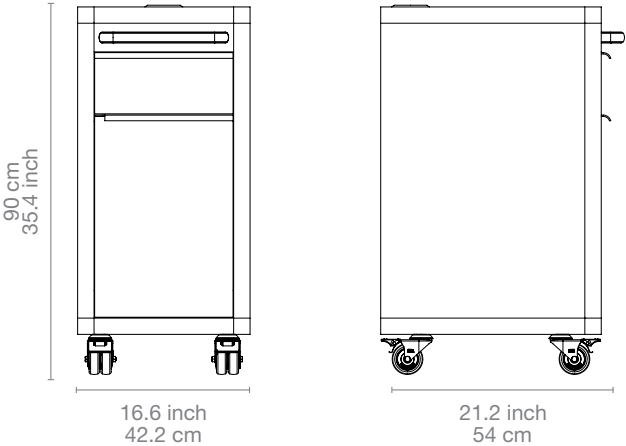
*optional

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 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/11.36 gpm integrated	3 liter/11.36 gpm integrated
Connecting requirements		
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 / 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

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

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