



DENTAL

Systems 2020



New generation
of leading CAD/CAM technologies

www.imes-icore.de

imes-icore[®]
Competence in CNC & DENTAL-Solutions



LEADING TECHNOLOGY
since 2003

CORiTEC machine portfolio

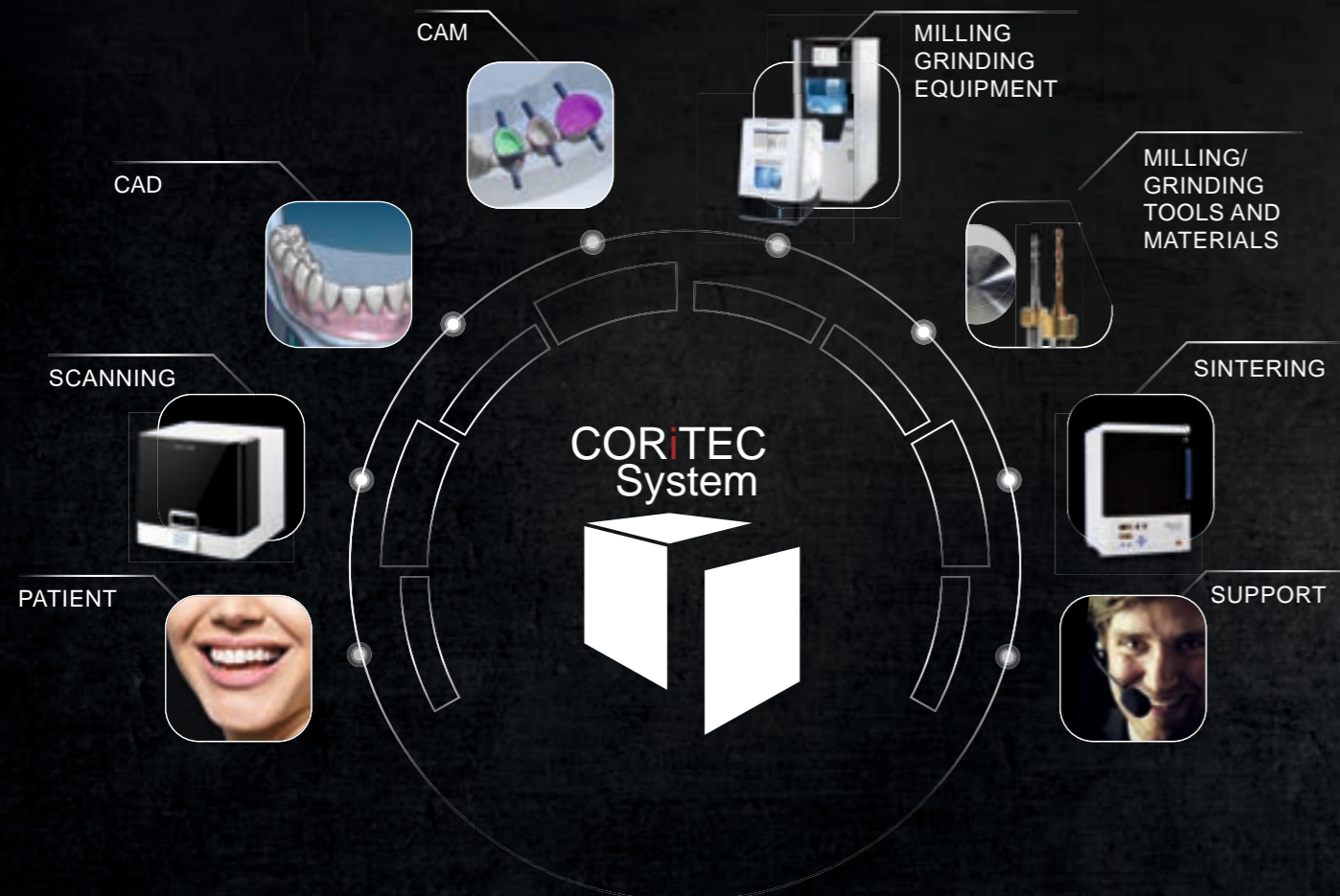
The new generation of machines



Technical data													
number of axes	4	5		5		5 + 1	5	5 + 1	5	5 + 1	5	5 + 2	5 + (6-axis-robot)
number of tool position	6	6		12		10	20		20		32 (HSK 25)		20 (per machine)
Pmax- maximum spindle speed	0.6 kW 100.000 rpm	0.6 kW 100.000 rpm		0.4 kW 60.000 rpm		0.6 kW 100.000 rpm	1 kW 60.000 rpm		PRO: 1 kW 60.000 rpm PRO*: 2.6 kW 60.000 rpm		3.2 kW 50.000 rpm		1 kW 60.000 rpm
axle drive	microstep drives	microstep drives		microstep drives		microstep drives	AC-servo drives with encoder		AC-servo drives with absolute encoder		Linear-/ torque drive, Absolute length measuring systems		AC-servo drives with absolute encoder
blank change / number of blank holder	manual 1-3-times block material	manual 1-fold blank holder		manual 1-fold blank holder		automatic up to 6 blank holder	manual 1-fold blank holder	automatic up to 12 blank holders	manual 1-fold blank holder	automatic up to 12 blank holders	manual 1-fold blank holder	automatic up to 16 blank holders	automatic up to 21 blank holder per machine
zero point clamping system	-	-		-		✓	optional	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
dry processing	✓✓	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
wet processing	✓✓	-	✓✓	-	✓✓	✓✓	✓✓		✓✓		✓✓		✓✓
blank processing 98/98,5mm		✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
block processing (CAD/CAM blocks)	✓✓	✓ (dry)	✓✓	✓ (dry)	✓✓	✓✓	✓✓		✓✓		✓✓		✓✓
base structure	aluminium cast	aluminium cast		granite / aluminium / steel		aluminium cast	aluminium / steel		polymer concrete / steel		granite / steel		polymer concrete / steel
Materials													
zirconium oxide / aluminium oxide	✓	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
PMMA / resins / PEEK / composite / wax	✓	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
glass ceramics / hybrid ceramics	✓✓	-	✓✓	-	✓✓	✓✓	✓✓		✓✓		✓✓		✓✓
sintering metal	✓	✓		✓		✓	✓		✓		✓		✓
chrom cobalt	✓*	✓*		✓*		✓*	✓		✓		✓		✓
titanium	✓*	-	✓*	-	✓*	✓*	✓		✓		✓		✓
Applications													
coping / crown / inlay / onlay	✓✓	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
bridges up to 3 units	✓✓	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
bridges up to 14 units	-	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
telescopic crowns	-	✓ (PEEK)		✓ (PEEK)		✓ (PEEK)	✓✓		✓✓		✓✓		✓✓
therapeutic splints (bite splints)	-	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
tooth models	-	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
removable partials	-	✓✓		✓✓		✓✓	✓✓		✓✓		✓✓		✓✓
abutments on titanium adhesive basis	✓	✓		✓		✓	✓✓		✓✓		✓✓		✓✓
prefabricated abutments of Ti / CoCr	✓	-	✓	-	✓	✓	✓✓		✓✓		✓✓		✓✓
one-piece abutments (Zr, resins)	✓	✓		✓		✓	✓✓		✓✓		✓✓		✓✓
one-piece abutments (CoCr, titanium)	-	-		-		-	✓		✓		✓		✓
bar structures / one-piece abutments bridges on implants	-	-		-		-	✓		✓		✓		✓

The CORiTEC System

Optimally matched machines and consumables guarantee effective production processes and lead to a new quality awareness. From our more than 15 years of experience in the dental market, the 5th generation has now grown with a series of 10 different milling systems. This makes imes-icore GmbH the only company in the world to offer a solution optimally tailored to its customers for virtually every milling center, laboratory and practical size. In addition, we offer you not only individual components, but coordinated complete solutions, with which you already on the first day process-reliable production chain with the CAD/CAM system. For these complete solutions, we are there for you as a contact person in support!



CONTENTS

CORiTEC machines

- 06 **The CORiTEC system**
- 08 **CORiTEC one**
The intelligent Practice Lab Solution
- 10 **CORiTEC 150i dry /150i/150i PRO**
Compact system for blank processing
- 12 **CORiTEC 250i dry / 250i**
The proven 5-axis system
- 14 **CORiTEC 250i Loader PRO**
Automation in the smallest space
- 18 **CORiTEC 350i/350i Loader**
The automated all-in-one solution
- 20 **CORiTEC 350i PRO/350i Loader PRO**
The professional solution for highest demands
- 22 **CORiTEC 350i PRO⁺/350i LOADER PRO⁺**
The plus in performance
- 26 **CORiTEC 605i/650i Loader**
with future-oriented technology
- 28 **CORiTEC 350i PRO robot**
Fully automated in perfection

CORiTEC machine accessories

- 40 **CORiTEC Sintering furnaces**
iSINT eco | iSINT PRO | CORi DRY
- 41 **Special solutions with technology partners**
CORiTEC 650i for hybrid processing
- 42 **CORiTEC vacuum systems**
iVAC silent | iVAC eco⁺ | iVAC2
iVAC PRO⁺ | iVAC expert | iCompVAC
- 43 **CORiTEC machine tables**
machine table T0 | T1 | T2
- 44 **Cutters & grinders**
3 mm shaft
- 46 **Cutters & grinders**
6 mm shaft

Applications

- Model milling Baumann system
- Milled implant models
- DESS Abutment Holder
- 48 NT-Preform[®] Abutment (nt-trading)
- PreFace[®] Abutment (Medentika)
- DDSoldiConnect[®] (Dental Direkt)
- Therapeutic Splints
-
- Milling of Models casts
- Grinding of CAD/CAM blocks
- Implant-supported bridges and bars / one-piece abutments
- 49 BioHPP elegance prefabs
- Hybrid machining - sintering and remilling
- Manufacture of dental prostheses
- open blank holder (C-Clamp)

CORiTEC software

- 30 **CORiTEC smart control**
Smart control of machine software
- 32 **CORiTEC iCAM V4.7**
Unlimited possibilities with precision the new iCAM V4.7
- 34 **CORiTEC iCAM V5 smart**
Smart High End cam solution with perfect flexibility
- 36 **CORiTEC scanner**
CORiTEC i3Dscan eco | i3Dscan color
i3Dscan color HD
- 37 **3shape dental-scanner**
3shape E1 / E2 / E3 | D1000 | D2000
- 38 **CAD software**
Software solution by exocad and 3shape

Materials

- 50 CORiTEC Materials

Company

- 52 **Sales and support partner worldwide**
- 53 **Location**

CORiTEC one

THE INTELLIGENT PRACTICE LAB SOLUTION

The new CORiTEC one machine system is suited perfectly for processing any common CAD/CAM blocks. Offering the new and extremely robust axis kinematics, the machine is also able to machine premilled abutments.

HIGHLIGHTS

- novel, closed mono-block cast body for stability and precision
- autarkic operation without external compressed air possible
- optimized for the integrated CAD/CAM workflow
- very fast grinding and milling process
- short payback period
- minimal footprint
- high precision due to integrated temperature compensation
- Machining of all common material blocks and prefabricated abutments
- Multi-adapter for up to three standard blocks or maxi blocks (65 mm x 40 mm x 20 mm)

Further details can be found in our product brochure.



PMMA	WAX	L-holder	3-fold holder	1-fold PreFab Abutment holder	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE				Full Denture	Model	Drilling template	Model casting
PEEK	SINT				Bridge	Telescopic technology	Abutment	Hybrid machining
Glass ceramics	PreFab Abutments							
CoCr	Ti							

CORiTEC 150i PRO

COMPACT SYSTEM FOR BLANK PROCESSING

The extremely stable design of the mono-block cast body enables precise machining in round and block form. The machine's small dimensions and 5-axis simultaneous technology offer a unique ratio of machine size and functionality. Convince yourself of the performance of the CORiTEC 150i for your laboratory!

HIGHLIGHTS

- novel, closed mono-block cast body for stability & precision
- no external PC required (optional)
- Semi-open blank holder as standard (C-Clamp)
- Ionizer optionally available
- high precision due to integrated temperature compensation
- Wet and dry machining possible (optional)
- no external compressed air required (optional)
- short payback period
- minimal footprint

Further details can be found in our product brochure.



- WET optional
- DRY
- 5 AX
- 3mm 6x
- Temperature compensation icon
- Touchscreen icon
- Ionizer icon
- ION optional

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT				Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments	C-Clamp	Block	zero-point clamping system				
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining

CORiTEC 250i/250i dry

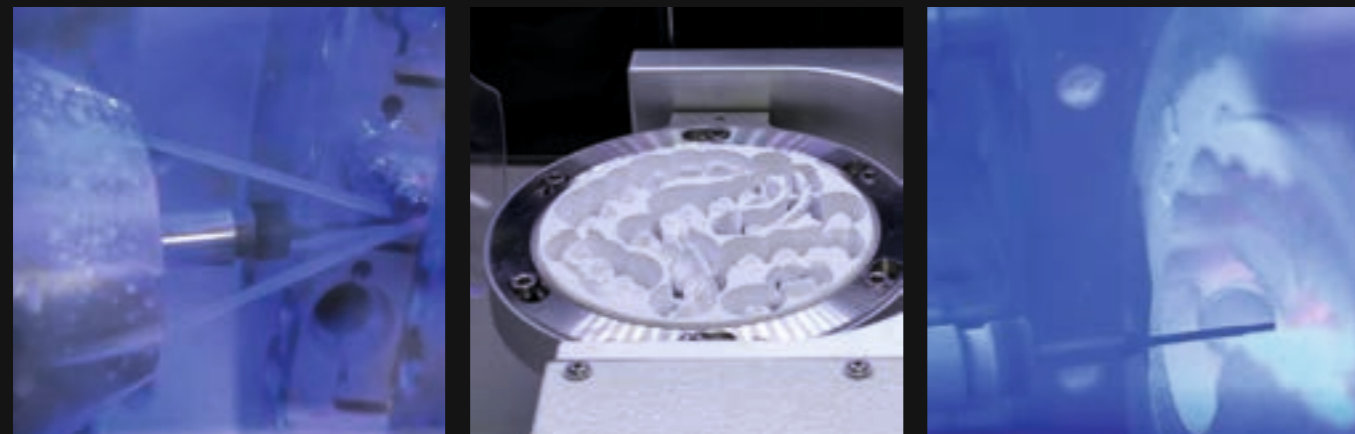
THE PROVEN 5-AXIS SYSTEM

The CORiTEC 250i and CORiTEC 250i dry machine systems are the most frequently used CAD/CAM systems in the field of zirconium dioxide, PMMA, Wax or glass ceramics. Thanks to the 5-axis simultaneous technology, these machines can also produce complex dental prostheses with diverging stumps and undercuts in the highest quality without reworking.

HIGHLIGHTS

- 5-axis machining systems with up to $\pm 30^\circ$ axis orientation
- tool runtime control/breakage control
- integrated cooling circuit for cooling lubricant
- compressed air and coolant level monitoring
- Metalworking for PreFab Abutments
- machining of zirconium, PMMA, wax, plastics, grindable board materials
- also available as **DRY** version
- 60.000 rpm spindle and double torque
- high precision due to integrated temperature compensation

Further details can be found in our product brochure.



- WET optional
- DRY
- 5 AX
- 3mm 12x
- Temperature control icon
- Touchscreen icon
- Control panel icon
- Spindle icon
- ION

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneers	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT				Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments	C-Clamp	Block	zero-point clamping system				
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining



CORiTEC 250i Loader PRO

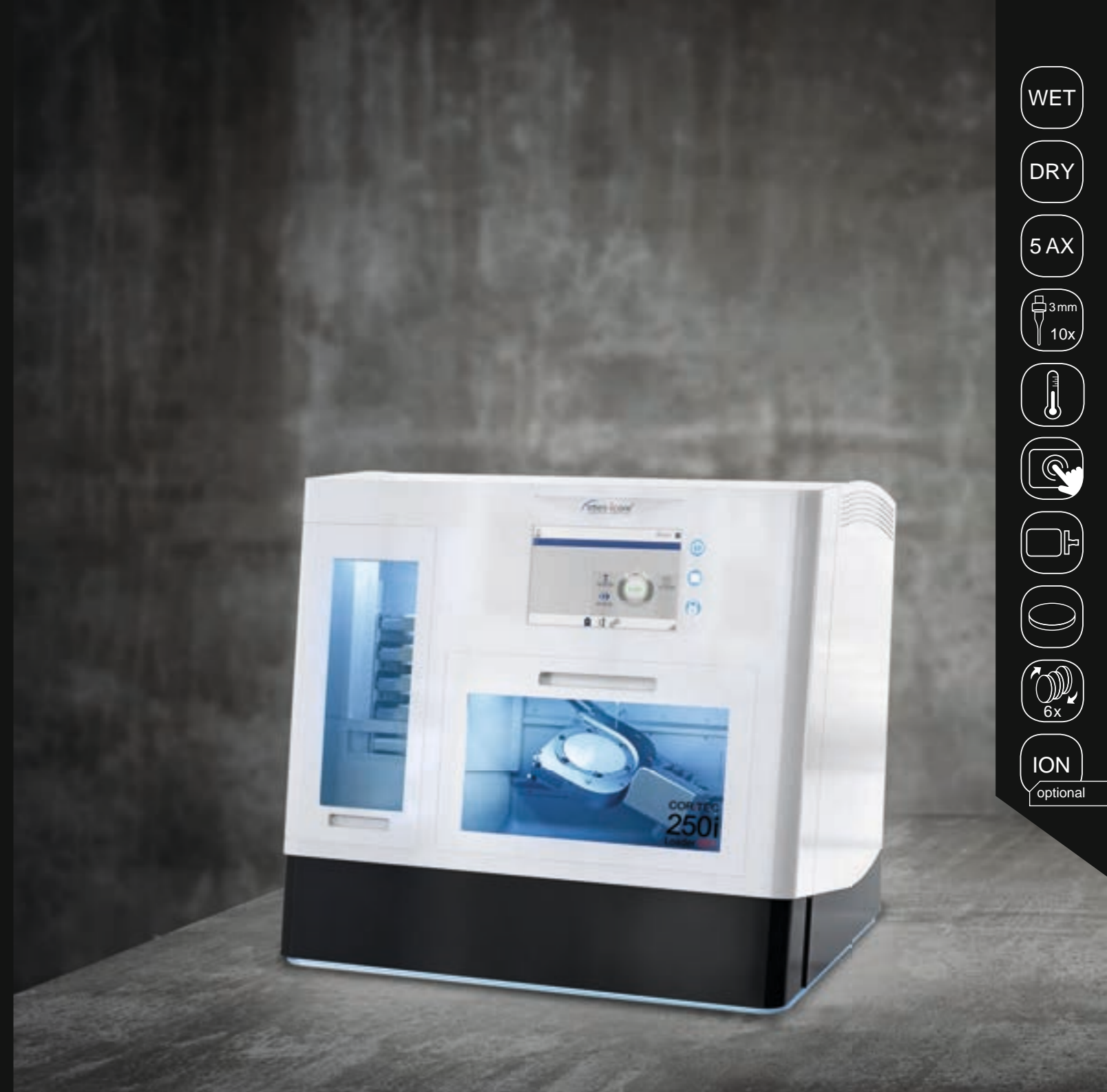
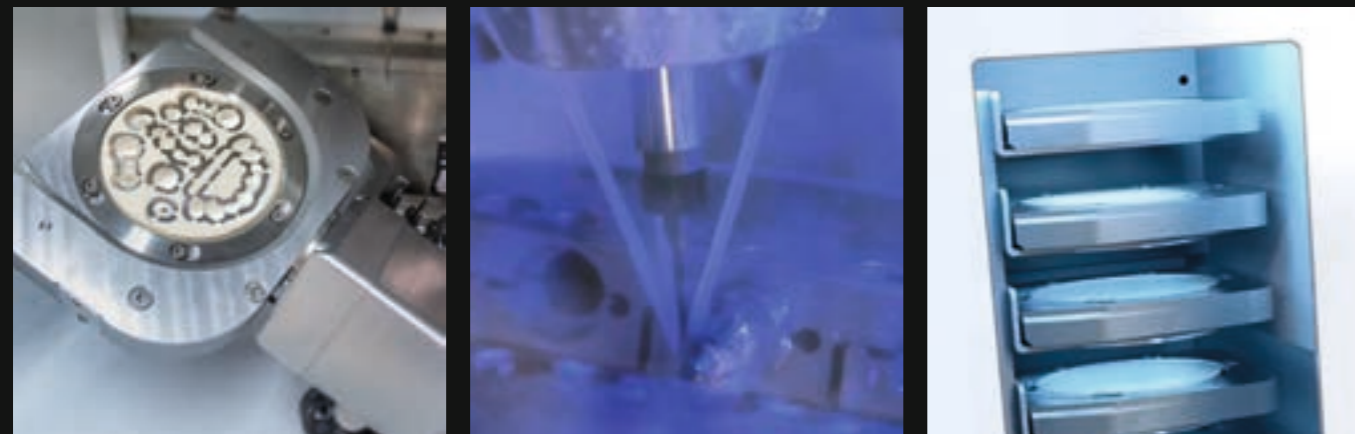
AUTOMATION IN THE SMALLEST SPACE

The compact 5-axis milling machine opens up a completely new machine segment. The CORiTEC 250i Loader PRO offers automation and 5-axis simultaneous machining of circular blanks & blocks in the smallest space and at an attractive price-performance ratio. The milling system is equipped with a fully automatic 10-fold tool changer with 3 mm milling tools and an integrated touch-screen monitor, which allows the operator to the machine with the latest generation of SmartControl control software can be operated intuitively. The fully automatic 6-fold blank changer makes it possible for all applications of the dental industry. An automated Production for dental milling products is thus given. Ideal for dental technicians who want to make their daily work more independent!

HIGHLIGHTS

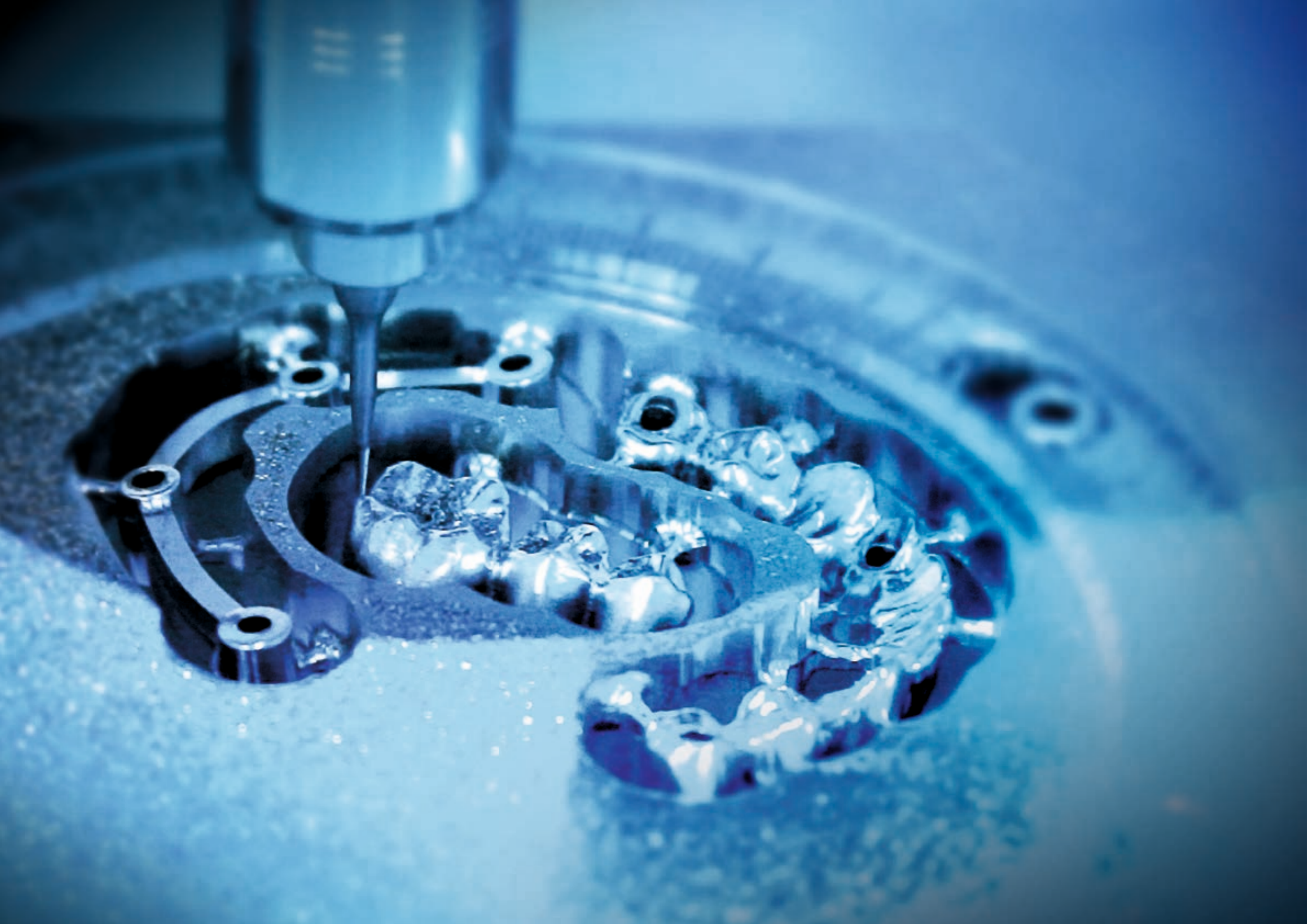
- novel, closed mono-block cast body for stability and precision
- 6-fold blank changer
- Wet and dry machining possible
- integrated PC and touch display
- no external compressed air required (optional)
- Ionizer optionally available
- Metalworking for PreFab Abutments
- high precision due to integrated temperature compensation

Further details can be found in our product brochure.



- WET
- DRY
- 5 AX
- 3mm
10x
- Temperature icon
- Touch screen icon
- Blank changer icon
- 6x
- ION
optional

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT				Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments	C-Clamp	Block	zero-point clamping system				
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining



CORiTEC 350i/350i Loader

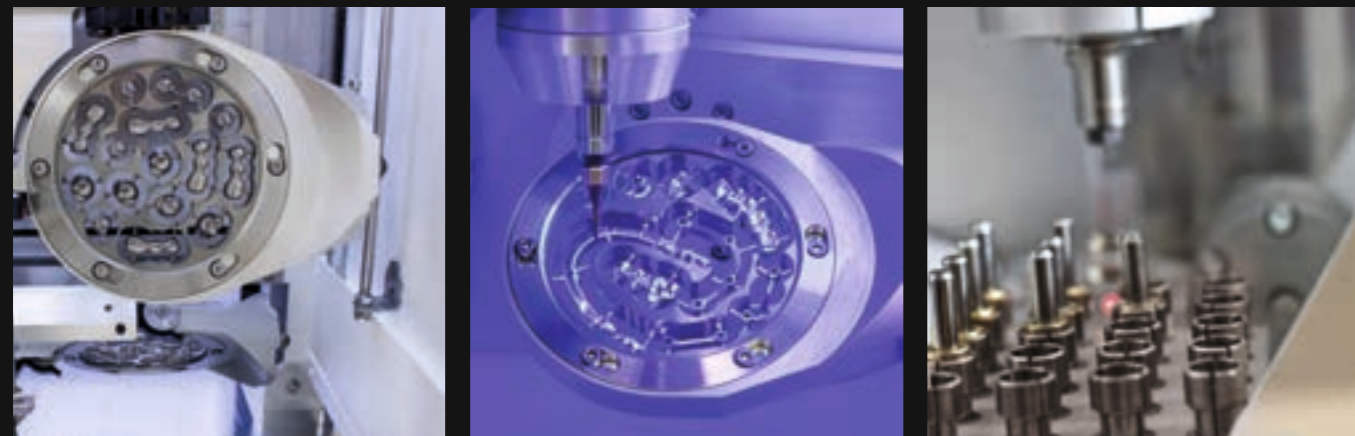
THE AUTOMATED ALL-IN-ONE SOLUTION

The CORiTEC 350i is a machine concept that meets all modern requirements for CAD/CAM machining. Thus, processing of all relevant blank materials from cobalt chrome, titanium, zirconia, plastics, block materials, and new future materials is largely possible without limitations on a single machine system. The CORiTEC 350i Loader is also equipped with a fully automatic blank changer, which enables automated production (for up to 12 blanks).

HIGHLIGHTS

- base structure made of steel/aluminum
- integrated wet and dry processing
- stable 6 mm shank tools
- high precision due to integrated temperature compensation
- Zero-point clamping system for precise repositioning of blanks and adapters (PreFab, C-Clamp, etc.)
- integrated PC and touch display
- 20-fold tool changer

Further details can be found in our product brochure.



- WET
- DRY
- 5 AX
- 6 mm
20x
- Temperature icon
- Touchscreen icon
- Tool holder icon
- Blank icon
- 20x icon
- ION
optional

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT				Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments	C-Clamp	Block	zero-point clamping system				
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining

CORiTEC 350i PRO / 350i Loader PRO

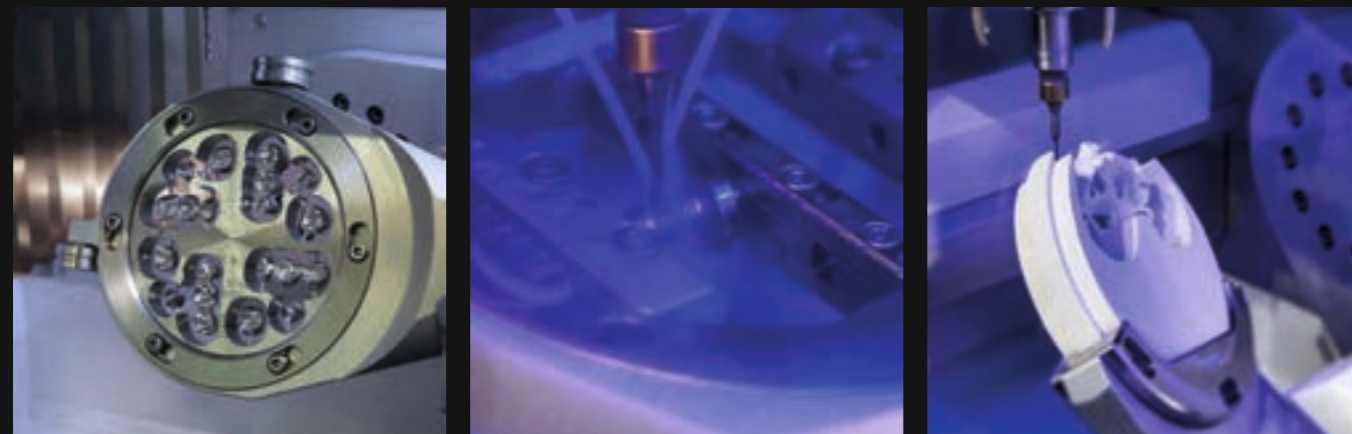
THE PROFESSIONAL SOLUTION FOR HIGHEST DEMANDS

The high-definition dynamic servo motors with absolute measuring systems increase processing speed by up to 20 % while maintaining optimum precision. This makes the CORiTEC 350i PRO suitable for the highest demands of a dental lab or milling center in a very compact design. The CORiTEC 350i Loader PRO is also equipped with a fully automatic blank changer (for up to 12 blanks).

HIGHLIGHTS

- revolutionary base structure of polymer concrete
- 5-axis, simultaneous machining
- absolute measuring system in all axes
- new, high-dynamic servo drives for up to 20 % quicker processing
- integrated PC and touch display
- Zero-point clamping system for precise repositioning of blanks and adapters (PreFab, C-Clamp, etc.)
- high precision due to integrated temperature compensation

Further details can be found in our product brochure.



- WET
- DRY
- 5 AX
- 6mm
20x
- Temperature icon
- Touchscreen icon
- Blank icon
- 12x
- ION
optional

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT				Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments	C-Clamp	Block	zero-point clamping system				
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining

CORiTEC 350i PRO⁺ / 350i Loader PRO⁺

THE PLUS OF PERFORMANCE

As already implemented in the CORiTEC 350i PRO, the CORiTEC 350i PRO⁺ series was also equipped with high-resolution dynamic servo motors and absolute measuring systems. In order to take full advantage of this advanced technology, it is equipped with a powerful 2.6 kW spindle with 3-fold hybrid ball bearing (water-cooled). The CORiTEC 350i Loader PRO⁺ with fully automated blank magazine also enables versatile machining of up to 12 blanks in unmanned operation.

HIGHLIGHTS

- powerful 2.6 kW spindle with 3-fold hybrid ball bearing (water-cooled)
- low vibration due to stainless steel holder
- absolute high-resolution measuring systems in all axes
- optimized for highest surface quality
- 50 % faster roughing
- integrated PC and touch display
- Zero-point clamping system for precise repositioning of blanks and adapters (PreFab, C-Clamp, etc.)
- high precision due to integrated temperature compensation

Further details can be found in our product brochure.

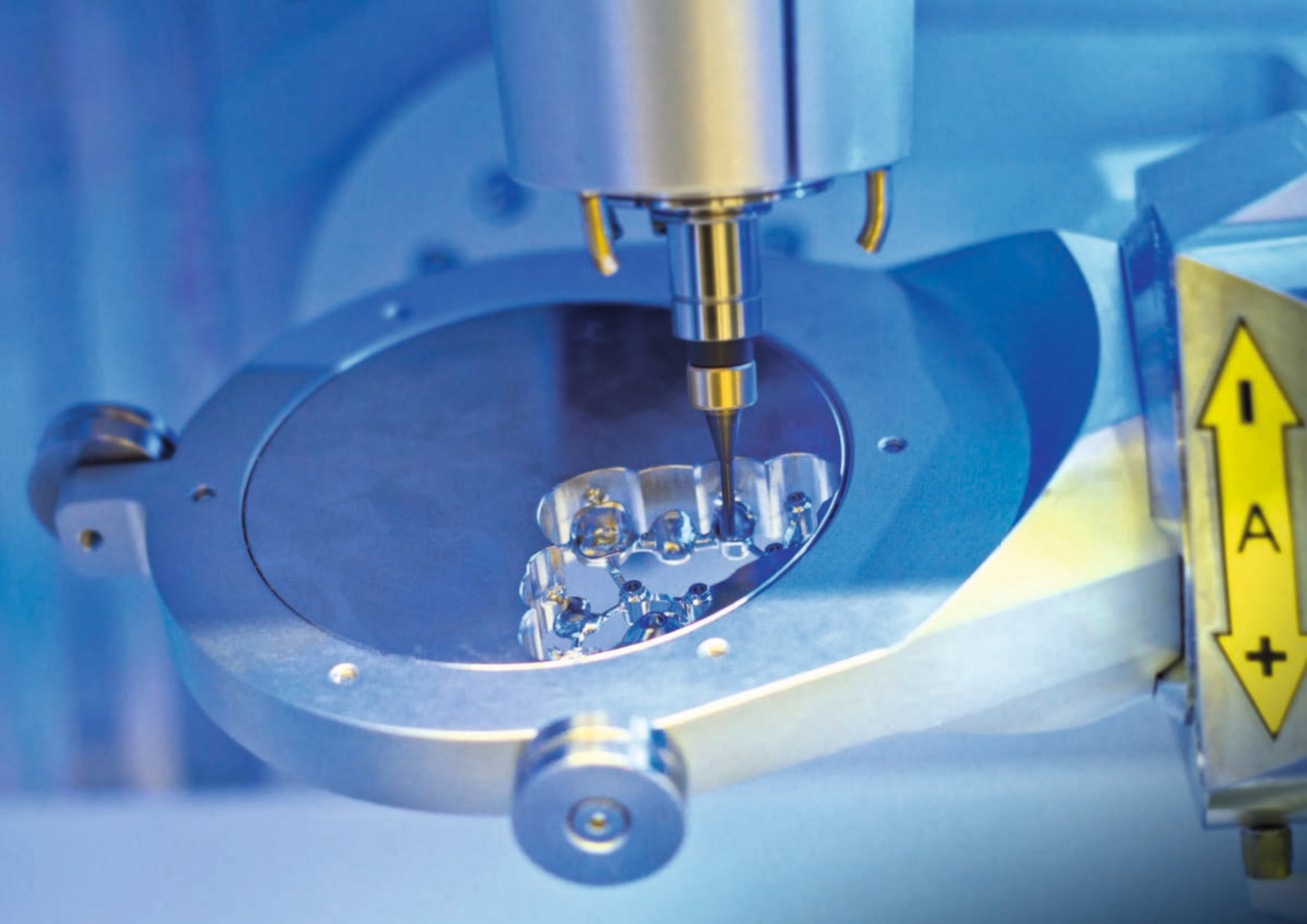


Zero-point clamping system for stainless steel blank holder



- WET
- DRY
- 5 AX
- 6 mm 20x
- 12x
- ION optional

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT	C-Clamp	Block	zero-point clamping system	Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments							
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining



CORiTEC 650i / 650i Loader

WITH FUTURE-ORIENTED TECHNOLOGY

The systems are equipped with the highest quality industrial milling machine technology such as granite construction, linear drives in the linear axes as well as torque motors in the rotary axes, digital absolute length measuring systems and powerful main spindle. The machine concept captivates above all by its precise, vibration-free and dynamic motion sequences in demanding and complex metalworking. The CORiTEC 650i Loader includes a fully integrated automatic 16-fold blank changer. As a result, the machine system can be operated at full capacity around the clock without supervision, while maintaining high precision.

HIGHLIGHTS

- Solid axle construction made of polished natural granite for 5-axis simultaneous machining in high dynamics for high-precision milling results
- absolute, high-resolution measuring systems in all axes (0.5 µm)
- High-frequency spindle up to 50.000 rpm and 3.2 kW with HSK 25 tool holder
- high precision due to integrated temperature compensation

Further details can be found in our product brochure.



- WET
- DRY
- 5 AX
- 6 mm
32x
- Temperature control
- Touchscreen
- 16x blank changer
- ION

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT	C-Clamp	Block	zero-point clamping system	Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments							
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining

CORiTEC 350i PRO robot

FULLY AUTOMATED IN PERFECTION

The high-end system CORiTEC 350i PRO robot for milling centers has been realized on the latest generation of the CORiTEC 350i series. All installed components are designed for precision, longevity and the latest technological standards. Thanks to the robot, the production system enables independent milling and equipping with up to 84 dental blanks of various types. It is also possible to realize individual series production or production of different subsections. Thus, materials milling, grinding, polishing or laser can be processed. The system is individually adapted to customer requirements and tailored to your needs together with you.

HIGHLIGHTS

- fully automatic production line for all materials relevant to dentistry
- robotic handling of machine loading and unloading
- fully automated 24 hour production is possible
- up to 84 dental blanks in the integrated material storage
- Laser processing optionally possible
- high precision due to integrated temperature compensation

Further details can be found in our product brochure.



- WET
- DRY
- 5 AX
- 6 mm
80x
- 84x
- ION
optional

PMMA	WAX	Standard	PreMilled Abutment	Dentures	Crown, Bridge	Inlay, Onlay Veneer	Hybrid Abutment	Splint
Zr	COMPOSITE							
PEEK	SINT				Full Denture	Model	Drilling template	Model casting
Glass ceramics	PreFab Abutments	C-Clamp	Block	zero-point clamping system				
CoCr	Ti				Bridge	Telescopic technology	Abutment	Hybrid machining

CORiTEC smart control™

SMART CONTROL OF MACHINE SOFTWARE

smart control™ – one touch ahead!

The newly developed control software „smart control™“ enables 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
- straightforward operation with intuitive graphical interface
- High End Performance for imes-icore® milling machines
- remote monitoring via Smartphone
- job management with 3D preview
- real-time 3D simulation for monitoring

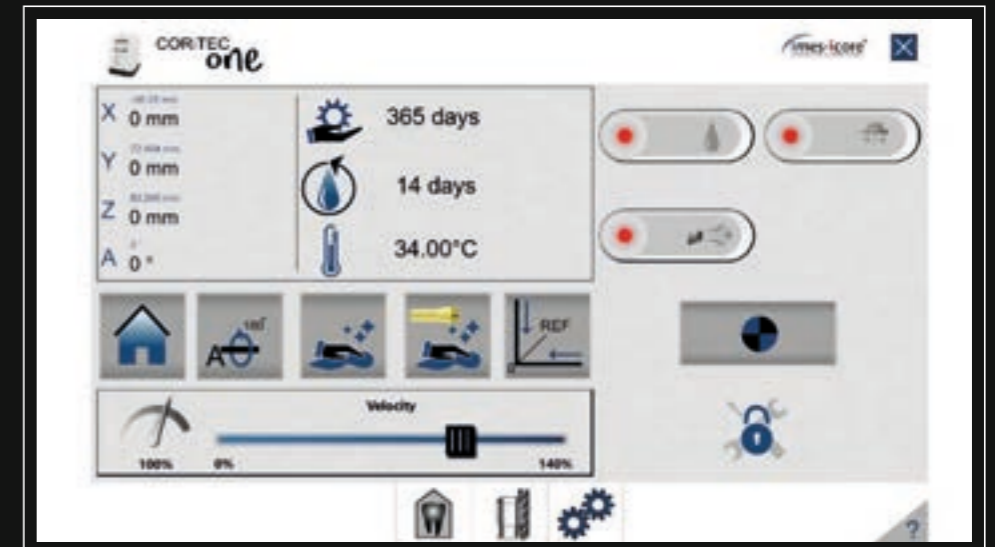
Available for: one 150i 250i Loader PRO



Automated transfer of information from the CAM software



real time 3D simulation during the Milling process incl. dynamic Zoom/Rotate

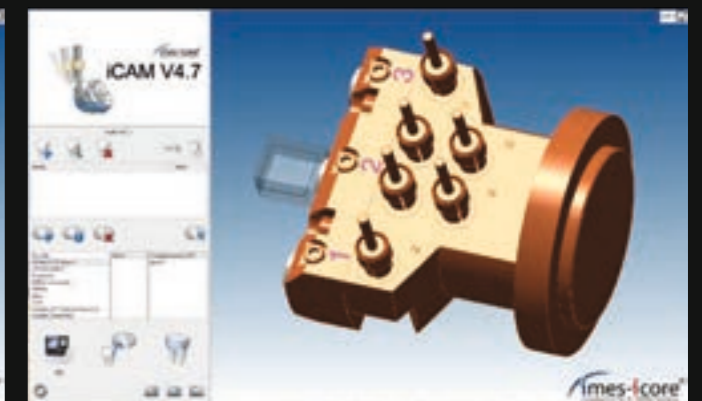
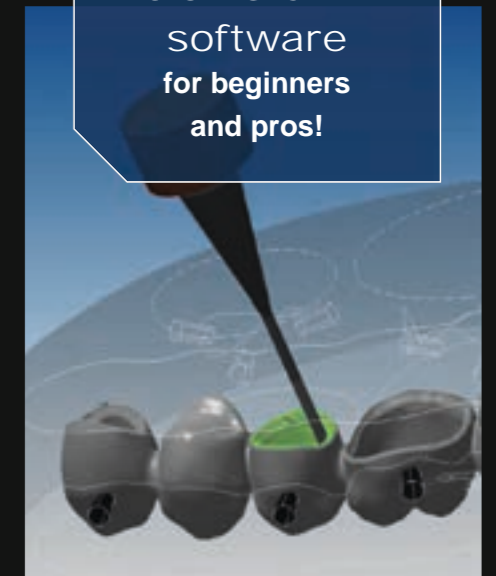


Clear settings range with all necessary functions



Ideal tool management

Ideal
5-axis-CAM
software
for beginners
and pros!



CORiTEC iCAM V4.7

UNLIMITED POSSIBILITIES WITH PRECISION WITH THE NEW ICAM V4.7

CORiTEC iCAM V4.7 is a renowned CAM software that has matured from many years of experience. The system has been perfected for the automated production of high-quality dental restorations and calculates milling data with optimized milling strategies for all common materials and dental constructions in a very short time. Fully automated functions and user-friendly operation enable reliable and easy working with the iCAM V4.7. Thus, the iCAM V4.7 also leads beginners to the finished milling program.

HIGHLIGHTS

- 5-axis simultaneous machining and/or 3 + 2 machining to achieve undercuts
- no annual license fees
- unlimited term
- innovative design of the user interface
- advanced and simplified strategy concept, as well as a significantly greater range of strategy options
- validated postprocessors for all imes-icore® CORiTEC machines
- Photo import function for simplified import of partially milled blanks
- extensive repertoire of PreFab adapters and PreFab systems

5-Axis simultaneous milling

- 5-Axis Simultaneous Milling or 3 + 2 machining
- automatic undercut detection

Optimized job definition for implant jobs

- selection between HYBRID or LOCK/NOLOCK Abutment
- optimized boundary curve detection

Screw hole Diameter Control

- automatic screw hole diameter detection
- automatic selection of screw hole milling tool

Workflow

- minimal training period
- error prevention through simple intuitive workflow

Blank image import

- integration of already partially milled blanks from different manufacturers into your virtual „blank warehouse“ (blank management) via photo import function
- more efficient usage of blanks

Optimized rail workflow

- automatic undercut detection
- manual setting of undercut splines no longer necessary
- optimized milling strategies for bite bars

Monostrategy with simple options

- innovative strategy selection
- flexible selection between inside and outside processing

Program version

- no license costs and unlimited runtime



CORiTEC iCAM V5 smart

SMART HIGH END SOLUTION WITH PERFECT FLEXIBILITY

iCAM V5 smart is the high-end CAM solution from imes-icore®. The software enables high-precision milling data calculation in simultaneous 5-axis machining for best surface quality and fitting accuracy. Especially with hard materials such as glass ceramics, cobalt chrome or titanium, high-resolution milling data are decisive for best fitting accuracy. In addition, the tool life is increased by smooth running of the machine during machining. Thanks to predefined milling strategies developed by imes-icore® for all materials and applications, the iCAM V5 smart provides you with a valuable CAM solution that increases the productivity of the CAD/CAM system.

HIGHLIGHTS

- 5-axis simultaneous machining and/or 3 + 2 machining to reach undercuts
- no annual license fees
- unlimited term
- fully automatic and easy operations with "Wizard Workflow"
- „ReFit“- Abutment exchange geometries
- placing retaining bridges across jobs

ReFit

Highly accurate abutment replacement geometries take the place of STL connection geometries. Optimized milling strategies for:

- High End fits
- directly screwed abutments
- directly screw-retained implant bridges/bars

Nesting

- Auto Nesting
- manual positioning
- Job-to-Job retaining bridge

Postprocessors:

- Control of all CORiTEC machines

Premilled abutment systems:

- continuous expansion of the libraries:

Geometry detection

Automatic STL data analysis to detect:

- Abutment geometries
- boreholes
- marginal contours

Design

- modern and clear design
- optimized multi-layer display
- simulation with collision control and residual material display

Program version

- future-proof and updateable for expansion levels

Workflow

- minimal familiarization time
- error prevention through simple intuitive workflow

CORiTEC SCANNER

COMPATIBLE WITH EXOCAD

CORiTEC i3Dscan eco

Camera resolution	1.3 MP
Measurement accuracy (acc to ISO 12836)	6 µm
Measuring field (X x Y x Z) mm	80 x 60 x 85
articulator scan	-
Scan time complete pine	19 sec.
Scan time single stump	32 sec.
Scan time 3-unit bridge	48 sec.
Texture	Monochrome texture scan



CORiTEC i3Dscan color

Camera resolution	1.3 MP
Measurement accuracy (acc to ISO 12836)	6 µm
Measuring field (X x Y x Z) mm	80 x 60 x 85
articulator scan	✓
Scan time complete pine	16 Sek.
Scan time single stump	33 Sek.
Scan time 3-unit bridge	45 Sek.
Texture	Color texture scan



CORiTEC i3Dscan color HR

camera resolution	2.8 (1.4) MP
Measurement accuracy (acc to ISO 12836)	6 µm
Measuring field (X x Y x Z) mm	80 x 60 x 85
articulator scan	✓
Scan time complete pine	18 Sek.
Scan time single stump	35 Sek.
Scan time 3-unit bridge	50 Sek.
Texture	Color texture scan



3shape DENTAL-SCANNER

3shape E1 / E2 / E3

Camera resolution	2 x 5 MP cameras, Blue LED Multiline
Measurement accuracy (acc to ISO 12836)	10 µm / 10 µm / 7 µm
Scan time complete pine	40 / 30 / 24 Sek.
Scan time single stump	25 / 80 / 18 Sek.
Scan time 3-unit bridge	130 / 90 / 80 Sek.
Texture	n/a / B&W / Color



3shape D1000

camera resolution	4 x 5 MP cameras, Blue LED Multiline
Measurement accuracy (acc to ISO 12836)	5 µm / 8 µm
Scan time dental arch	16 sec.
Scan time stump	15 sec.
Scandauer fuller dental arch	65 sec.
Texture	Color



3shape D2000

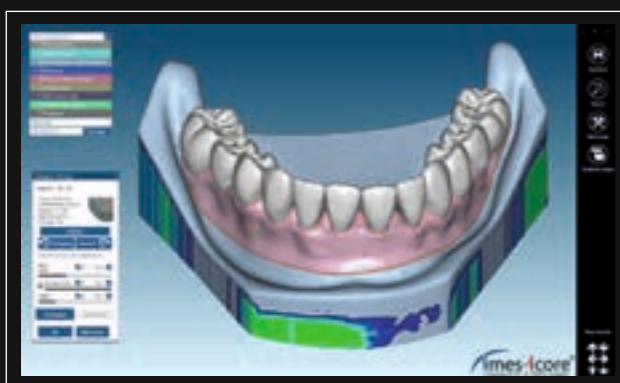
camera resolution	4 x 5 MP cameras, Blue LED Multiline
Measurement accuracy (acc to ISO 12836)	5 µm / 8 µm
Scan time dental arch	16 sec.
Scan time stump	15 sec.
Scandauer fuller dental arch	65 sec.
Texture	Color



exocad CAD-SOFTWARE

HIGHLIGHTS

- all common indications and functions
- photorealistic 3D rendering and high-quality color texturing
- PartialCAD for the design of model casting prostheses
- extensive free implant system library (also for prefabricated abutments)
- Sending 3D previews via dentalshare webview
- Simulation of jaw movement and determination of dynamic occlusion using a virtual articulator
- large selection of attachment shapes, for attachment to the construction or for subtraction from the construction
- one-piece individual abutments, directly screw-retained implant bridges and implant bars
- extensive library of beautiful natural teeth
- reliable updates and high stability
- no licence fees; therefore no running costs



exocad is a dental CAD software proven a thousand times over: Ideal for beginners, powerful in expert hands. The dental CAD software convinces by speed and intuitive operation. In combination with our i3Dscan series, the user is offered an ideal CAD solution without restrictions. The CAD workflow is exactly oriented to the dental technical workflow for the construction of dental restorations. This means that even inexperienced users can easily access digital dental technology. exocad was developed in close cooperation with experienced dental technicians and software specialists. The ergonomic and wizard-guided user interface can be easily adapted to the user's skills and is therefore highly accepted by beginners as well as by experts.



With exocad DentalCAD you can rely on a reliable and stable software with which you can easily handle complex cases in addition to the standard indications such as crowns, bridges, inlays/onlays/veneer and telescopes. Simply expand your exocad DentalCAD standard version according to your needs and choose from many add-on modules such as splint, implant, bar, virtual articulator, ModelCreator or PartialCAD for even more comprehensive indications. As an exocad user, you are at the cutting edge of technology.

3shape CAD-SOFTWARE



HIGHLIGHTS

- all common indications and functions
- photorealistic representation of the construction in real time
- high flexibility through the use of add-on modules via CAD points
- Mirroring of existing teeth into the running construction
- 3shape articulator holder for scanning with articulator (E-Series)
- extensive free implant system library (also for prefabricated abutments)
- Simulation of jaw movement using a virtual articulator
- Construction of Bite splints using the free „3shape Splint Designer“ module
- one-piece individual abutments, directly screw-retained implant bridges and implant bars
- maximum possibilities due to server-client installations and two-user license options
- unlimited software updates to stay on the cutting edge of technology



Thanks to many years of experience in the field of dental scanners and CAD, 3shape Dental System offers one of the most powerful CAD design systems in the world. In a mature and intuitive workflow, 3shape combines an efficient workflow from 3D scanning and CAD design to structured order management and helpful communication tools. In addition to standard applications such as crown/bridge design, telescopic crowns and inlay/onlay/veneer, the user is provided with a range of additional modules such as Abutment Designer, Removable Partial Design, Implant bridges and bars, Model Builder, Implant Bridge and Implant Bridge Design module, rail module etc..

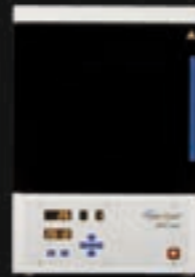


A custom-made material configuration of integrated CORiTEC materials as well as an open STL interface guarantee optimal and precisely results for all imes-icore® machine types. 3shape also offers an extensive portfolio of desktop and intraoral scanners, from which the user can choose the one that best suits his needs and application areas. Thanks to unlimited software upgrades, the user always has access to the latest technologies and functionalities.

CORiTEC Sintering Furnaces

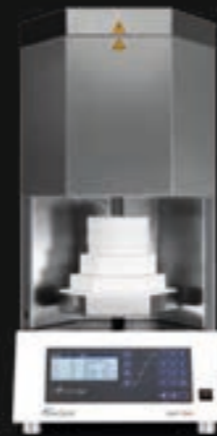
iSINT eco

The iSINT eco stands for economy and offers high-quality technology, matching accessories for high standards at a fair price. Compact and with a small footprint, the iSINT eco sintering oven still has sufficient capacity for a sintering bowl Ø 100 mm for approx. 25 units. The door stop can be mounted right and left.



iSINT PRO

A larger sintering capacity of up to 80 single crowns is offered by the new iSINT PRO. With a heating system with four high-quality molybdenum disilicide (MoSi2) heating elements, you can choose between conventional long-term sintering or SPEED sintering at a rate of up to 99 °C/minute. The iSINT PRO is controlled by a simple and convenient program control. The programs are displayed on a 4-line LCD display. A timer function for overnight sintering or the use of pre-drying programs for shaded zirconium restorations offer further options. In addition, three service programs are available for easy maintenance of the sinter furnace.



SINTEROFS IN COMPARISON

	iSINT eco	iSINT PRO
Number of heating elements	4	4
Display	7-Segment	4-line LCD
Number of program memories	9	30
Combustion chamber capacity	1 x 100	2 x 120
max. heating rate in °C/min	30	99
Power in W	1720	3200
Lift function	No	Yes
Speedsintering	No	Yes

CORiDRY

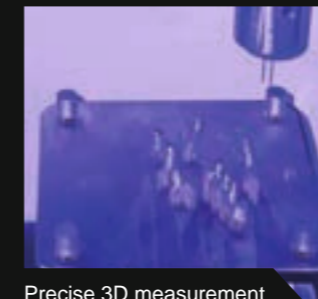
The CORiDRY pre-drying device ensures rapid and uniform drying of the colored zirconium dioxide frameworks through air circulation. The device is CE-certified and easy to use. No staining thanks to even drying; Pre-drying in the sintering furnace is not necessary; this reduces the wear of heating elements in the sintering furnace. Two heating levels up to a maximum of 70°C.



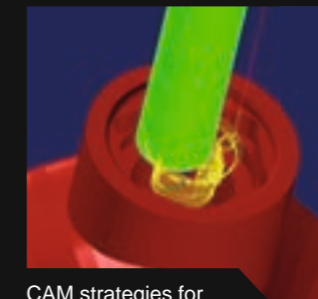
Special solutions with technology partners

CORiTEC 650i FOR HYBRID PROCESSING

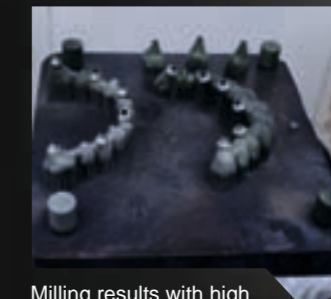
With the high-precision CORiTEC 650i machine, technology partners have developed a special process to re-mill work that was previously produced in the SLM process with high precision. This allows e.g. build highly complex web constructions made of various materials such as titanium or CoCr in advance in the SLM process, and subsequently rework interfaces with the CORiTEC 650i for the perfect fit and surface finish. This procedure is implemented in a special WorkFlow, in which a 3D probe is integrated in the CORiTEC 650i. The touch probe determines the exact position and position of the SLM building board. Using 3D measurement functions of the CAM software, the fit and interface areas of the restorations on the SLM plate can then be precisely milled with the CORiTEC 650i. This method can be used in principle with any SLM systems and with different CAM systems in combination with the CORiTEC 650i.



Precise 3D measurement in the CORiTEC 650i



CAM strategies for precision areas



Milling results with high surface quality



With the 3D probe, a controlled measurement is made via reference points in order to determine deviations, displacements and rotations. In the background, the imes-icore® 3D measurement software calculates the values and writes them back to the CAM software to implement the corrections.



1 Compatible with among others the following SLM installations:

2 Compatible with among others the following CAM systems:

CORiTEC suction systems

iVAC silent



Volume: 8 liters (dust drawer)
Volume flow: 160 m³/hr
Special features: suitable for machine tables T0, T1 and T2; quiet running; very compact; Self-cleaning by vibration

iVAC silent PRO



Volume: 8 liters (dust drawer)
Volume flow: 240 m³/hr
Special features: suitable for machine tables T1 and T2; quiet running; very compact; Self-cleaning by vibration

iVAC eco+



Volume: 25 liters (filter bag)
Volume flow: 260 m³/hr
Special features: suitable for all machine tables T1 and T2; quiet running

iVAC PRO+



Volume: 15 litres (dust drawer)
Volume flow: 280 m³/hr
Special features: High-performance industrial standard; compressed air self-cleaning system

iVAC expert



Volume: 100 litres (filter bag)
Volume flow: 1000 m³/hr
Special features: high volume flow for room extraction

iCompVAC



Volume: 25 litres (dust bag)
Volume flow: 160 m³/hr
Special features: Suction and compressor in one unit; compressor up to 7 bar; compressor for temporary operation of machines (no continuous operation)

	iVAC silent	iVAC silent PRO	iVAC eco+	iVAC PRO+	iVAC expert	iCompVAC
Volume flow	160 m ³ /hr	240 m ³ /hr	260m ³ /hr	280m ³ /hr	1000m ³ /hr	160m ³ /hr
Output	480 W	1610 W	1200 W	1200 W	2200 W	1300 W
Filter system	Teflon filter cartridge, automatic cleaning feature	Teflon filter cartridge, automatic cleaning feature	dust drawer, HEPA filter	Teflon filter cartridge, automatic cleaning feature	dust drawer, HEPA filter	dust drawer, HEPA filter
Filter volume	8 liters	8 liters	25 liters	15 liters	100 liters	25 liters
W x D x H (mm/inch)	245 x 500 x 440/ 9.7 x 19.7 x 17.3	270 x 540 x 535/ 10.6 x 21.2 x 21.1	440 x 460 x 750/ 17.3 x 18.1 x 29.5	350 x 350 x 1000/ 13.8 x 13.8 x 39.4	600 x 770 x 1220/ 23.6 x 30.3 x 48	470 x 640 x 880/ 18.5 x 25.2 x 34.7
Supply voltage	230 V	115 V/230 V	115 V/230 V	115 V/230 V	230 V	230 V
Suitable for	COR.TEC one COR.TEC 150i COR.TEC 250i*	COR.TEC one COR.TEC 150i COR.TEC 250i* COR.TEC 350i**	COR.TEC one COR.TEC 150i COR.TEC 250i* COR.TEC 350i**	COR.TEC 150i COR.TEC 250i* COR.TEC 350i** COR.TEC 650i***	COR.TEC 650i***	COR.TEC one COR.TEC 150i COR.TEC 250i* COR.TEC 350i**

* for all machines of the 250i series

** for all machines of the 350i series

*** for all machines of the 650i series

CORiTEC machine tables

The undercounters, specially developed for the needs of the various machine types, impress with their sturdy design as well as their attractive appearance. The machine tables have sufficient floor space. Stable rollers ensure optimum stability and easy movement of the devices. Drawers, cable ducts and a cabinet for the integration of appropriate extraction systems are already provided.

Machine Table T0	Machine Table T1	Machine Table T2
W x H x D 440 x 900 x 540 mm 17.3 x 35.4 x 21.3 inch	W x H x D 770 x 930 x 790 mm 30.3 x 36.6 x 31.1 inch	W x H x D 1060 x 930 x 790 mm 41.7 x 36.6 x 31.1 inch
CORiTEC one CORiTEC 150i CORiTEC 150i PRO	CORiTEC 150i/150i dry (space for notebook) CORiTEC 250i CORiTEC 350i CORiTEC 350i PRO	CORiTEC 250i Loader PRO CORiTEC 350i Serie

MACHINE TABLE T0



MACHINE TABLE T1



MACHINE TABLE T2



FOR ADDITIONAL ACCESSORIES SEE WWW.IMES-ICORE.DE

Cutters & grinders | 3 mm shaft

Customized solutions optimized for the particular materials and equipment

For models:

one	150i
250i	250i Loader PRO

T1/T6 - 3.0 | 3.0 mm
radius milling tool (l = 15 mm)

T1	Ti
T6	CoCr

3.0 mm Ø 3 mm up to 15 mm Blades

Art.-No. 526018 3003

T12 - 1.0 | 3.0 mm
radius milling tool (single blade, slide coated)

T12	PMMA
	WAX
	PEEK

1.0 mm Ø 3 mm up to 25 mm Blade

Art.-No. 526004 1003c

T21 - 2.5 | 3.0 mm
radius grinding tool (diamond)

T21	glass ceramics
-----	----------------

2.5 mm Ø 3 mm

Art.-No. 526005 2503

T32 - 0.6 | 3.0 mm
radius milling tool long (l = 12 mm)

T32	PMMA
	WAX
	Zr

0.6 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526012 0603

T2/T7 - 2.0 | 3.0 mm
radius milling tool (l = 12 mm)

T2	Ti
T7	CoCr

2.0 mm Ø 3 mm up to 15 mm Blades

Art.-No. 526018 2003

T12/T14 - 1.0 | 3.0 mm
radius milling tool

T12	PMMA
T14	WAX
	Zr

1.0 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526016 1003

T22 - 1.0 | 3.0 mm
radius grinding tool (diamond)

T22	glass ceramics
-----	----------------

1.0 mm Ø 3 mm

Art.-No. 526005 1003

T33/T43/T53 - 0.3 | 3.0 mm
radius milling tool (conical)

T33	PMMA
T43	WAX
T53	SINT
	COMP

0.3 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526016 0303

T3/T8/T16 - 1.5 | 3.0 mm
radius milling tool (l = 12 mm), universal

T3	UNIVERSAL
T8	
T16	

1.5 mm Ø 3 mm up to 15 mm Blades

Art.-No. 526000 1503

T13/T40/T50 - 2.5 | 3.0 mm
radius milling tool (diamond coated)

T13	Zr
T40	SINT
T50	COMP

2.5 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526013 2503

T23 - 0.6 | 3.0 mm
radius grinding tool (conical, diamond)

T23	glass ceramics
-----	----------------

0.6 mm Ø 3 mm

Art.-No. 526005 0603

T98 - 2.5 | 3.0 mm
shaft milling tool (l = 20 mm, three blades)

T98	CALIBR.
-----	---------

2.5 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526024 2503

T4/T9 - 1.0 | 3.0 mm
radius milling tool (l = 9 mm)

T4	Ti
T9	CoCr

1.0 mm Ø 3 mm up to 15 mm Blades

Art.-No. 526018 1003

T14/T41/T51 - 1.0 | 3.0 mm
radius milling tool (diamond coated)

T14	Zr
T41	SINT
T51	COMP

1.0 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526013 1003

T31 - 3.0 | 3.0 mm
shaft milling tool (single blade, slide coated)

T31	PMMA
	WAX
	Zr

3.0 mm Ø 3 mm up to 30 mm Blade

Art.-No. 526012 3003

T5/T10/T17 - 1.5 | 3.0 mm
shaft milling tool (l = 15 mm), universal

T5	Ti
T10	CoCr
T17	PMMA
	WAX
	Zr

1.5 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526001 1503

T15/T42/T52 - 0.6 | 3.0 mm
radius milling tool (conical)

T15	PMMA
	WAX
	Zr
T42	SINT
T52	COMP

0.6 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526016 0603

T11 - 2.5 | 3.0 mm
radius milling tool (single blade, slide coated)

T11	PMMA
	WAX
	PEEK

2.5 mm Ø 3 mm up to 25 mm Blade

Art.-No. 526004 2503c

T19 - 0.5 | 3.0 mm
shaft milling tool (l = 4 mm), universal

T19	UNIVERSAL
-----	-----------

0.5 mm Ø 3 mm up to 15 mm Blades

Art.-No. 526001 0503

T11/T13 - 2.5 | 3.0 mm
radius milling tool

T11	PMMA
	WAX
T13	Zr

2.5 mm Ø 3 mm up to 25 mm Blades

Art.-No. 526016 2503

T20 - 0.6 | 3.0 mm
radius milling tool (conical)

T20	Ti
	CoCr

0.6 mm Ø 3 mm up to 15 mm Blades

Art.-No. 526003 0603



Cutters & grinders | 6 mm shaft

Customized solutions optimized for the particular materials and equipment

For models:

350i
350i PRO
350i PRO*
650i

T1/T6 - 3.0 | 6.0 mm
radius milling tool short (l = 15 mm)

T1 Ti
T6 CoCr

3.0 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526026 3006

T13/T40/T50 - 2.5 | 6.0 mm
radius milling tool (diamond coated)

T13 Zr
T40 SINT
T50 COMP

2.5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526013 2506

T22 - 1.0 | 6.0 mm
radius milling tool (diamond)

T22 glass ceramics

1.0 mm Ø 6 mm

Blades

Art.-No. 526005 1006

T35 - 2.0 | 6.0 mm
radius milling tool long (l = 20 mm)

T35 PMMA
WAX

2.0 mm Ø 6 mm

up to 30 mm

Blades

Art.-No. 526012 2006

T2/T7 - 2.0 | 6.0 mm
radius milling tool short (l = 12 mm)

T2 Ti
T7 CoCr

2.0 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526026 2006

T14/T41/T51 - 1.0 | 6.0 mm
radius milling tool (diamond coated)

T14 Zr
T41 SINT
T51 COMP

1.0 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526013 1006

T23 - 0.6 | 6.0 mm
radius milling tool (conical, diamond)

T23 glass ceramics

0.6 mm Ø 6 mm

Blades

Art.-No. 526005 0606

T61 - 3.0 | 6.0 mm
Quattro speed milling tool (l = 15 mm)

T61 Ti
CoCr

3.0 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526025 3006

T62 - 2.0 | 6.0 mm
torus milling tool (r = 0.2 mm, l = 16 mm, four blades)

T62 Ti
CoCr

2.0 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526025 2006

T3/T8 - 1.5 | 6.0 mm
radius milling tool short (l = 12 mm)

T3 Ti
T8 CoCr

1.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526026 1506

T15/T42/T52 - 0.6 | 6.0 mm
radius milling tool (conical)

T15 PMMA
WAX
Zr
T42 SINT
T52 COMP

0.6 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 0606

T26 - 3.0 | 6.0 mm
radius milling tool long (l = 20 mm)

T26 Ti
CoCr

3.0 mm Ø 6 mm

16-20 mm

Blades

Art.-No. 526027 3006

T63 - 1.5 | 6.0 mm
torus milling tool (r = 0.08 mm, l = 7 mm, two blades)

T63 Ti
CoCr

1.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526025 1506

T4/T9 - 1.0 | 6.0 mm
radius milling tool short (l = 9 mm)

T4 Ti
T9 CoCr

1.0 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526026 1006

T16/T28 - 1.5 | 6.0 mm
radius milling tool long (l = 15 mm)

T16 PMMA
WAX
Zr
T28 Ti
CoCr

1.5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526027 1506

T27 - 2.0 | 6.0 mm
radius milling tool long (l = 16 mm)

T27 Ti
CoCr

2.0 mm Ø 6 mm

16-20 mm

Blades

Art.-No. 526027 2006

T64 - 1.5 | 6.0 mm
torus milling tool (r = 0.08 mm, l = 15 mm, two blades)

T64 Ti
CoCr

1.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526028 1506

T5/T10 - 1.5 | 6.0 mm
shaft milling tool short (l = 12 mm, four blades)

T5 Ti
T10 CoCr

1.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526002 1506

T17 - 1.5 | 6.0 mm
shaft milling tool (l = 15 mm)

T17 PMMA
WAX
Zr

1.5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526001 1506

T29 - 1.0 | 6.0 mm
radius milling tool long (l = 11 mm)

T29 Ti
CoCr

1.0 mm Ø 6 mm

16-20 mm

Blades

Art.-No. 526027 1006

T67 - 2.0 | 6.0 mm
shaft milling tool short (l = 7 mm, four blades)

T67 Ti
CoCr

2.0 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526002 2006

T11 - 2.5 | 6.0 mm
radius milling tool (single blade, slide coated)

T11 PMMA
WAX
PEEK

2.5 mm Ø 6 mm

up to 25 mm

Blade

Art.-No. 526004 2506c

T18 - 0.5 | 6.0 mm
radius milling tool (l = 4 mm)

T18 UNIVERSAL

0.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526026 0506

T30 - 4.0 | 6.0 mm
shaft milling tool long (l = 32 mm, single blade, slide coated)

T30 PMMA
WAX
PEEK

4.0 mm Ø 6 mm

up to 30 mm

Blade

Art.-No. 526012 4006

T68 - 1.5 | 6.0 mm
shaft milling tool long (l = 15 mm, four blades)

T68 UNIVERSAL

1.5 mm Ø 6 mm

16-20 mm

Blades

Art.-No. 526021 1506

T11/T13 - 2.5 | 6.0 mm
radius milling tool

T11 PMMA
WAX
T13 Zr

2.5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 2506

T19 - 0.5 | 6.0 mm
shaft milling tool (l = 4 mm)

T19 UNIVERSAL

0.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526001 0506

T32 - 0.6 | 6.0 mm
radius milling tool long (l = 12 mm)

T32 PMMA
WAX
Zr

0.6 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526012 0606

T80 - 2.5 | 6.0 mm
drilling tool (l = 22 mm)

T80 Ti
CoCr

2.5 mm Ø 6 mm

up to 20 mm

Drill

Art.-No. 526023 2506

T12 - 1.0 | 6.0 mm
radius milling tool (single blade, slide coated)

T12 PMMA
WAX
PEEK

1.0 mm Ø 6 mm

up to 25 mm

Blade

Art.-No. 526004 1006c

T20 - 0.6 | 6.0 mm
radius milling tool (conical)

T20 Ti
CoCr

0.6 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526003 0606

T33/ T43/ T53 - 0.3 | 6.0 mm
radius milling tool (conical)

T33 PMMA
WAX
Zr
T43 SINT
T53 COMP

0.3 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 0306

T81 - 1.5 | 6.0 mm
drilling tool (l = 18 mm)

T81 Ti
CoCr

1.5 mm Ø 6 mm

up to 20 mm

Drill

Art.-No. 526023 1506

T12/T14 - 1.0 | 6.0 mm
radius milling tool

T12 PMMA
WAX
T14 Zr

1.0 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 1006

T21 - 2.5 | 6.0 mm
radius milling tool (diamond)

T21 glass ceramics

2.5 mm Ø 6 mm

Blades

Art.-No. 526005 2506

T34 - 3.0 | 6.0 mm
radius milling tool long (l = 27 mm)

T34 PMMA
WAX

3.0 mm Ø 6 mm

up to 30 mm

Blades

Art.-No. 526012 3006

T98 - 2.5 | 6.0 mm
shaft milling tool (l = 20 mm, three blades)

T98 CALIBR.

2.5 mm Ø 6 mm

Blades

Art.-No. 526024 2506

Applications

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
- end face machining



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

MANUFACTURE OF DENTAL PROSTHESES

- Baltic Denture from Merzdental
- Dentsply Sirona Dentures



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

PREFABRICATED ABUTMENTS

- short production times
- Production of abutments in very simple processes
- high accuracy of fit due to prefabricated implant interface

DESS
Abutment Holder



NT-Preform® Abutment
(nt-trading)



PreFace® Abutment
(Medentika)



DDSoldiConnect®
(Dental Direkt)



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

PREFABRICATED SECONDARY PARTS WITH CORITEC ONE

- integrated systems: DESS, nt-trading, Medentika, Dental Direkt
- 360 degree turning possible
- fast set-up time due to Multiadapter



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

THERAPEUTIC SPLINTS

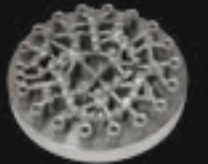
- Bite splints, bleaching splints
- Snoring splints, Aligners
- simple and high-quality implementation in CAD/CAM processes



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

HYBRID MACHINING - SINTERING AND MILLING

- Milling post-processing of finished restorations using the SLM method
- High precision milling combined with low-cost SLM process
- compatible with most SLM systems



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

GRINDING OF CAD/CAM BLOCKS

- new 6-fold adapter enables effective production
- exchangeable strips for different adapter systems
- Crowns, onlays, inlays, veneers, bridge frameworks, etc.



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

IMPLANT-SUPPORTED BRIDGES AND BARS / ONE-PIECE ABUTMENTS

- highest fitting accuracy due to new CAM technologies (ReFit)
- Stress-free fit even with larger spans
- easy production due to high degree of automation with coordinated CAM software



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

BIOHPP ELEGANCE PREFABS

- individual hybrid abutment on PEEK basis
- BioHPP for permanent dentures, free of metal, oxide and monomer
- homogeneous combination of titanium and BioHPP



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

MILLING OF MODEL CASTS

- Production in combustible materials, PEEK or directly in CoCr
- allergy-free and lightweight model casting when using PEEK
- cost-efficient



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

MILLED IMPLANT MODELS

- DIM (Digital Implant Model) from nt-trading
- precisely positionable
- 2-part implant analog



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

MODEL MILLING BAUMANN SYSTEM

- Model fabrication in CAD/CAM process
- high reproducibility and precision
- Model fabrication with digital impression by intraoral scanner



one 150i 250i 250i Loader PRO 350i 350i PRO 350i PRO+ 650i

Materials



CORITEC MODEL DISC IVORY

- Blank for the production of dental models
- low-cost material, also suitable for test purposes. or for milling calibration bodies

Ø x H (mm)
98 x 15
98 x 20
98 x 25



CORITEC PMMA SPLINT DISC PMMA (POLYMETHYL METHACRYLATE)

- Bite guards, Therapeutic splints, Drilling templates, Bite regulators

Ø x H (mm)
98 x 20



JUVORA PEEK (POLYETHERETHERKETONE)

- clamp-retained constructions
- Juvora PEEK in its basic colour (brown-beige)
- highest biological compatibility

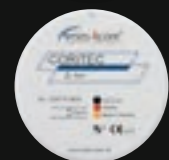
Ø x H (mm)
98 x 16
98 x 20
98 x 25



CORITEC PMMA DISC (POLYMETHYL METHACRYLATE)

- very good mechanical properties
- aesthetic shade effect due to high translucency
- good milling behaviour

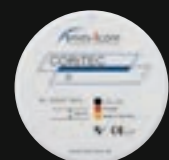
Ø x H (mm)
98 x 20



CORITEC ZR HT+ DISC (ZIRCONIUM DIOXIDE, HIGHLY TRANSLUCENT)

- highly translucent zirconium dioxide for natural esthetics
- Increased strength compared to lithium dioxide

Ø x H (mm)
98 x 10
98 x 12
98 x 14
98 x 16
98 x 18
98 x 20
98 x 25



CORITEC ZR DISC (ZIRCONIUM DIOXIDE TRANSLUCENT)

- covers all dental restoration indications up to a width of 16 units

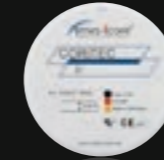
Ø x H (mm)
98 x 10
98 x 12
98 x 14
98 x 16
98 x 18
98 x 20
98 x 25



CORITEC ZR TRANSPA DISC (ZIRCONIUM DIOXIDE)

- covers all indications for dental restorations of up to 16 units

Ø x H (mm)
98 x 10
98 x 12
98 x 14
98 x 16
98 x 18
98 x 20
98 x 25



CORITEC ZR TRANSPA DISC (ZIRCONIUM DIOXIDE PRE-COLORED TRANSLUCENT)

- covers all indications for dental restorations of up to 16 units
- ideally suited for monolithic restorations

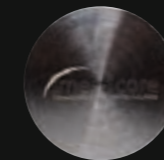
Ø x H (mm)
light, medium, intense, low chromatic, high chromatic
98 x 10 to 98 x 25



CORITEC WAX DISC (WAX, GRAY)

- CORITEC Wax Disc is not suitable for use in the mouth
- after milling, the material can be used as lost wax moulds can be used in casting technology
- very good millability and residue-free combustion

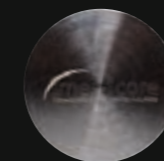
Ø x H (mm)
98 x 18
98 x 20



CORITEC COCR DISC (NON-PRECIOUS ALLOY)

- Single crowns
- Bridges up to 16 units, full bridges, and PFM technology

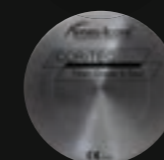
Ø x H (mm)
98 x 8
98 x 10
98 x 12
98 x 15
98 x 18



CORITEC COCR MO DISC (NON-PRECIOUS ALLOY)

- Single crowns
- Bridges up to 16 units, full bridges, and PFM technology

Ø x H (mm)
98 x 8
98 x 10
98 x 12
98 x 15
98 x 18



CORITEC TI DISC (GRADE 2, GRADE 4, GRADE 5)

- good mechanical properties
- good milling properties
- corrosion resistant

Grade 2 + 4 Ø x H (mm)	Grade 5 Ø x H (mm)
98 x 10	98 x 10
98 x 15	98 x 12
	98 x 15
	98 x 18

Sales and support partner worldwide

Location

imes-icore® GmbH
Im Leibolzgraben 16
36132 Eiterfeld, Germany

Fon +49 (0) 66 72/898 228
Fax +49 (0) 66 72/898 222
dental@imes-icore.de



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 your 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.

**Contact us or
our dealers for
more information
or arrange
your personal
appointment with
imes-icore®.**



Further information can be found under
www.imes-icore.de



imes-icore® is the international market leader in the development
and sale of CAD/CAM systems for the dental industry.

If you are interested, please ask for documents
or inform yourself on our website.

www.imes-icore.de

imes-icore® GmbH
Fon +49 (0) 66 72/898 228
Fax +49 (0) 66 72/898 222
dental@imes-icore.de