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.

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Fax +49 (0) 66 72/898 222
dental@imes-icore.de
## CORITEC machine portfolio

The new generation of machines

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<th>CORITEC 100i</th>
<th>CORITEC 150 dry</th>
<th>CORITEC 250i</th>
<th>CORITEC 250i / PRO</th>
<th>CORITEC 250i Loader</th>
<th>CORITEC 350i</th>
<th>CORITEC 350i Loader</th>
<th>CORITEC 350i Loader PRO / PRO+</th>
<th>CORITEC 650i</th>
<th>CORITEC Loader</th>
<th>CORITEC 350i PRO robot</th>
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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
10 CORiTEC 150i dry / 150i / 150i PRO
12 CORiTEC 250i dry / 250i
14 CORiTEC 250i Loader PRO
18 CORiTEC 350i / 350i Loader
20 CORiTEC 350i PRO / 350i Loader PRO
22 CORiTEC 350i PRO / 350i Loader PRO+
26 CORiTEC 605i / 650i Loader
28 CORiTEC 350i PRO robot

CORiTEC machine accessories

40 CORiTEC Sintering furnaces
41 Special solutions with technology partners
42 CORiTEC vacuum systems
43 CORiTEC machine tables
44 Cutters & grinders 3 mm shaft
46 Cutters & grinders 6 mm shaft

Applications

Model milling Baumann system
Milled implant models
DES5 Abutment Holder
NT-Preform® Abutment (nt-trading)
PreFace® Abutment (Medentika)
DDSoldiConnect® (Dental Direkt)
Therapeutic 5sPrints
Milling of Models casts
Grinding of CAD/CAM blocks
Implant-supported bridges and bars / one-piece abutments
BioHPP elegance prefabs
Hybrid machining - sintering and remilling
Manufacture of dental prostheses
open blank holder (C-Clamp)

Materials

50 CORiTEC Materials

Company

52 Sales and support partner worldwide
53 Location
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.
**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.
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 ±30° 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.
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.
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
- integrated wet and dry processing
- stable 6 mm shank tools
- high precision due to integrated temperature compensation

Further details can be found in our product brochure.
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).

Further details can be found in our product brochure.

CORiTEC
350i PRO /350i Loader PRO

The professional solution for highest demands

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.
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.
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
• 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.
COR iTEC 350i PRO robot

FULLY AUTOMATED IN PERFECTION

The high-end system COR iTEC 350i PRO robot for milling centers has been realized on the latest generation of the COR iTEC 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.
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: CORiTEC one 150i 250i Loader PRO

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

Clear settings range with all necessary functions

Automated transfer of information from the CAM software

Ideal tool management
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

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

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

Postprocessors:
• Control of all CORiTEC machines

Premilled abutment systems:
• continuous expansion of the libraries:
**CORiTEC SCANNER**

**COMPATIBLE WITH EXOCAD**

**CORiTEC i3Dscan eco**

<table>
<thead>
<tr>
<th>Camera resolution</th>
<th>1.3 MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement accuracy (acc to ISO 12836)</td>
<td>6 µm</td>
</tr>
<tr>
<td>Measuring field (X x Y x Z) mm</td>
<td>80 x 60 x 85</td>
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<tr>
<td>Articulator scan</td>
<td>-</td>
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<tr>
<td>Scan time complete pine</td>
<td>19 sec.</td>
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<tr>
<td>Scan time single stump</td>
<td>32 sec.</td>
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<tr>
<td>Scan time 3-unit bridge</td>
<td>48 sec.</td>
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<td>Texture</td>
<td>Monochrome texture scan</td>
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**CORiTEC i3Dscan color**

<table>
<thead>
<tr>
<th>Camera resolution</th>
<th>1.3 MP</th>
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<tbody>
<tr>
<td>Measurement accuracy (acc to ISO 12836)</td>
<td>6 µm</td>
</tr>
<tr>
<td>Measuring field (X x Y x Z) mm</td>
<td>80 x 60 x 85</td>
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<tr>
<td>Articulator scan</td>
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</tr>
<tr>
<td>Scan time complete pine</td>
<td>16 sec.</td>
</tr>
<tr>
<td>Scan time single stump</td>
<td>33 sec.</td>
</tr>
<tr>
<td>Scan time 3-unit bridge</td>
<td>45 sec.</td>
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<tr>
<td>Texture</td>
<td>Color texture scan</td>
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</table>

**CORiTEC i3Dscan color HR**

<table>
<thead>
<tr>
<th>Camera resolution</th>
<th>2.8 (1.4) MP</th>
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<tr>
<td>Measurement accuracy (acc to ISO 12836)</td>
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<tr>
<td>Measuring field (X x Y x Z) mm</td>
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<tr>
<td>Articulator scan</td>
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<td>Scan time complete pine</td>
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<td>Scan time single stump</td>
<td>33 sec.</td>
</tr>
<tr>
<td>Scan time 3-unit bridge</td>
<td>45 sec.</td>
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<tr>
<td>Texture</td>
<td>Color texture scan</td>
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</tbody>
</table>

**3shape E1 / E2 / E3**

<table>
<thead>
<tr>
<th>Camera resolution</th>
<th>4 x 5 MP cameras, Blue LED Multiline</th>
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</thead>
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<tr>
<td>Measurement accuracy (acc to ISO 12836)</td>
<td>10 µm / 10 µm / 7 µm</td>
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<tr>
<td>Scan time complete pine</td>
<td>40 / 30 / 24 sec.</td>
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<tr>
<td>Scan time single stump</td>
<td>25 / 80 / 18 sec.</td>
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<tr>
<td>Scan time 3-unit bridge</td>
<td>130 / 90 / 80 sec.</td>
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<tr>
<td>Texture</td>
<td>n/a / B&amp;W / Color</td>
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**3shape D1000**

<table>
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<th>Camera resolution</th>
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<tbody>
<tr>
<td>Measurement accuracy (acc to ISO 12836)</td>
<td>5 µm / 8 µm</td>
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<td>Scan time dental arch</td>
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<tr>
<td>Scan time stump</td>
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</tr>
<tr>
<td>Scandauer fuller dental arch</td>
<td>65 sec.</td>
</tr>
<tr>
<td>Texture</td>
<td>Color</td>
</tr>
</tbody>
</table>

**3shape D2000**

<table>
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<tr>
<th>Camera resolution</th>
<th>4 x 5 MP cameras, Blue LED Multiline</th>
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</thead>
<tbody>
<tr>
<td>Measurement accuracy (acc to ISO 12836)</td>
<td>5 µm / 8 µm</td>
</tr>
<tr>
<td>Scan time dental arch</td>
<td>16 sec.</td>
</tr>
<tr>
<td>Scan time stump</td>
<td>15 sec.</td>
</tr>
<tr>
<td>Scandauer fuller dental arch</td>
<td>65 sec.</td>
</tr>
<tr>
<td>Texture</td>
<td>Color</td>
</tr>
</tbody>
</table>
exocad  
CAD-SOFTWARE

HIGHLIGHTS

- all common indications and functions
- photorealistic 3D rendering and high-quality color texturing
- PartialCAD for the design of model casting prosthoses
- 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 CORTEC 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

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

**CORiDRY Sintering Ovens**

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., to 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.

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.

**COMPATIBILITY**

- **CAM software**
- **CORiTEC 650i milling machine**
- **SLM system**

**CAM strategies for precision areas**

**Milling results with high surface quality**

**Precise 3D measurement in the CORiTEC 650i**

**Compatible with among others the following SLM installations:**

- sisma
- TRUMPF
- CONCEPTLASER
- worknc

**Compatible with among others the following CAM systems:**

- FOLLOW-ME!
- shapan
- CIM System
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 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 liters (dust drawer)
- Volume flow: 260 m³/hr
- Special features: High-performance industrial standard; compressed air self-cleaning system

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

iCompVAC
- Volume: 25 liters (dust bag)
- Volume flow: 160 m³/hr
- Special features: Suitable for all machine tables T0, T1 and T2; quiet running; very compact; Self-cleaning by vibration

The undercounters, specially developed for the needs of the various machine types, impress with their study 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.

**FOR ADDITIONAL ACCESSORIES SEE WWW.IMES-ICORE.DE**
### Cutters & grinders

3 mm shaft

**Customized solutions optimized for the particular materials and equipment**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Material</th>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1/T6 - 3.0 I 3.0 mm</td>
<td>Radius milling tool (l = 15 mm)</td>
<td>Ti, CoCr</td>
<td>3.0 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T2/T7 - 2.0 I 3.0 mm</td>
<td>Radius milling tool (l = 12 mm)</td>
<td>Ti, CoCr</td>
<td>2.0 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T3/T8/T16 - 1.5 I 3.0 mm</td>
<td>Radius milling tool (l = 12 mm), universal</td>
<td></td>
<td>1.5 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T4/T9 - 1.0 I 3.0 mm</td>
<td>Radius milling tool (l = 9 mm)</td>
<td>Ti, CoCr</td>
<td>1.0 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T5/T10/T17 - 1.5 I 3.0 mm</td>
<td>Shaft milling tool (l = 15 mm), universal</td>
<td>Ti, CoCr, PMMA, WAX</td>
<td>1.5 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T11 - 2.5 I 3.0 mm</td>
<td>Radius milling tool (single blade, slide coated)</td>
<td>PMMA, WAX, Zr</td>
<td>2.5 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T12 - 1.0 I 3.0 mm</td>
<td>Radius milling tool (single blade, slide coated)</td>
<td>PMMA, WAX, Zr, PEEK</td>
<td>1.0 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T13/T40/T50 - 2.5 I 3.0 mm</td>
<td>Radius milling tool (diamond coated)</td>
<td>Zr, Ti, SINT, COMP</td>
<td>2.5 mm Ø</td>
<td>3 mm</td>
</tr>
<tr>
<td>T14/T41/T51 - 1.0 I 3.0 mm</td>
<td>Radius milling tool (diamond coated)</td>
<td>Zr, Ti, SINT, COMP</td>
<td>1.0 mm Ø</td>
<td>3 mm</td>
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<tr>
<td>T15/T42/T52 - 0.6 I 3.0 mm</td>
<td>Radius milling tool (conical)</td>
<td>PMMA, WAX, Zr, SINT, COMP</td>
<td>0.6 mm Ø</td>
<td>3 mm</td>
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<tr>
<td>T16 - 0.5 I 3.0 mm</td>
<td>Shaft milling tool (l = 4 mm), universal</td>
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<td>0.5 mm Ø</td>
<td>3 mm</td>
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<tr>
<td>T17 - 2.5 I 3.0 mm</td>
<td>Radius milling tool (conical)</td>
<td>PMMA, WAX, Zr, SINT, COMP</td>
<td>2.5 mm Ø</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

For models:

- one
- 150i
- 250k
- 250i Loader PRO
### Cutters & grinders

Customized solutions optimized for the particular materials and equipment

<table>
<thead>
<tr>
<th>Art.-No. 526004 1006c</th>
<th>T20 - 0.6 I 6.0 mm radius milling tool (conical)</th>
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</thead>
<tbody>
<tr>
<td>Art.-No. 526005 2506</td>
<td>T33/ T43/ T53 - 0.3 I 6.0 mm radius milling tool</td>
</tr>
<tr>
<td>Art.-No. 526005 1006c</td>
<td>T20 - 0.6 I 6.0 mm radius milling tool (conical)</td>
</tr>
<tr>
<td>Art.-No. 526005 0606</td>
<td>T33/ T43/ T53 - 0.3 I 6.0 mm radius milling tool</td>
</tr>
<tr>
<td>Art.-No. 526013 2506</td>
<td>T33/ T43/ T53 - 0.3 I 6.0 mm radius milling tool</td>
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<tr>
<td>Art.-No. 526013 1006c</td>
<td>T33/ T43/ T53 - 0.3 I 6.0 mm radius milling tool</td>
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<tr>
<td>Art.-No. 526013 0606</td>
<td>T33/ T43/ T53 - 0.3 I 6.0 mm radius milling tool</td>
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<td>Art.-No. 526019 0306</td>
<td>T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)</td>
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<tr>
<td>Art.-No. 526019 0606</td>
<td>T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)</td>
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<td>Art.-No. 526027 2006</td>
<td>T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)</td>
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<tr>
<td>Art.-No. 526027 3006</td>
<td>T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)</td>
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<tr>
<td>Art.-No. 526027 1506</td>
<td>T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)</td>
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<td>Art.-No. 526001 1506</td>
<td>T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)</td>
</tr>
<tr>
<td>Art.-No. 526026 0506</td>
<td>T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)</td>
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### For models:

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<thead>
<tr>
<th>T35 - 2.0 I 6.0 mm radius milling tool long (l = 20 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T61 - 3.0 I 6.0 mm Quattro speed milling tool (l = 15 mm)</td>
</tr>
<tr>
<td>T62 - 2.0 I 6.0 mm torus milling tool (r = 0.2 mm, l = 16 mm, four blades)</td>
</tr>
<tr>
<td>T63 - 1.5 I 6.0 mm torus milling tool (r = 0.08 mm, l = 7 mm, two blades)</td>
</tr>
<tr>
<td>T64 - 1.5 I 6.0 mm torus milling tool (r = 0.08 mm, l = 7 mm, two blades)</td>
</tr>
<tr>
<td>T65 - 2.0 I 6.0 mm drilling tool (l = 22 mm)</td>
</tr>
<tr>
<td>T66 - 2.5 I 6.0 mm drilling tool (l = 18 mm)</td>
</tr>
<tr>
<td>T67 - 2.0 I 6.0 mm shaft milling tool short (l = 7 mm, four blades)</td>
</tr>
<tr>
<td>T68 - 1.5 I 6.0 mm shaft milling tool long (l = 15 mm, four blades)</td>
</tr>
<tr>
<td>T69 - 1.5 I 6.0 mm shaft milling tool long (l = 15 mm, four blades)</td>
</tr>
<tr>
<td>T70 - 2.5 I 6.0 mm shaft milling tool (l = 27 mm)</td>
</tr>
<tr>
<td>T71 - 1.0 I 6.0 mm radius milling tool long (l = 20 mm)</td>
</tr>
<tr>
<td>T72 - 1.0 I 6.0 mm radius milling tool long (l = 20 mm)</td>
</tr>
<tr>
<td>T73 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<tr>
<td>T74 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<td>T80 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<td>T81 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<td>T82 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<td>T90 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<td>T91 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<td>T96 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<td>T97 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
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<tr>
<td>T98 - 0.6 I 6.0 mm radius milling tool (conical, diamond)</td>
</tr>
</tbody>
</table>

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#### Material Selection:

- **PMMA**
- **PEEK**
- **CoCr**
- **Ti**
- **WAX**
- **TiC**
- **SINT**
- **TiN**
- **Zr**
- **ceramics**

#### Tool Specifications:

- **Art.-No. 526004 1006c**
  - T20 - 0.6 I 6.0 mm radius milling tool (conical)
- **Art.-No. 526019 0606**
  - T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)
- **Art.-No. 526005 2506**
  - T33/ T43/ T53 - 0.3 I 6.0 mm radius milling tool
- **Art.-No. 526027 1006c**
  - T29 - 1.0 I 6.0 mm radius milling tool short (l = 9 mm)

#### Additional Information:

- **Blades**
- **Drill**
- **Up to**
- **Art.-No.**
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

MANUFACTURE OF DENTAL PROSTHESES
• Baltic Denture from Merzdental
• Dentsply Sirona Dentures

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)

MILLING OF MODEL CASTS
IMPLANT-SUPPORTED BRIDGES AND BARS / ONE-PIECE ABUTMENTS

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

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.

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

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

MILLING OF DENTAL PROSTHESES
• Baltic Denture from Merzdental
• Dentsply Sirona Dentures
• individual hybrid abutment on PEEK basis
• BioHPP for permanent dentures, free of metal, oxide and monomer
• homogeneous combination of titanium and BioHPP

PREFabricated SECONDARY PARTS WITH CORITEC ONE
• integrated systems: DESS, nt-trading, Medentika, Dental Direkt
• 360 degree turning possible
• fast set-up time due to Multiaadapter

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

PREFabRICATED SECONDARY PARTS WITH CORITEC ONE
• integrated systems: DESS, nt-trading, Medentika, Dental Direkt
• 360 degree turning possible
• fast set-up time due to Multiaadapter

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

MODEL MILLING BAUMANN SYSTEM
• Model fabrication in CAD/CAM process
• high reproducibility and precision
• Model fabrication with digital impression by intraoral scanner
**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

**CORiTEC PMMA SPLINT DISC PMMA**
(POLYMER METHYL METHACRYLATE)
- Bite guards, Therapeutic splints,
Drilling templates, Bite regulators

**JUVORA PEEK**
(POLYetheretherketONE)
- Clamp-retained constructions
- Juvora PEEK in its basic colour (brown-beige)
- Highest biological compatibility

**CORiTEC PMMA DISC**
(POLYMER METHYL METHACRYLATE)
- Very good mechanical properties
- Aesthetic shade effect due to high translucency
- Good milling behaviour

**CORiTEC ZR HT+ DISC**
(ZIRCONIUM DIOXIDE, HIGHLY TRANSLUCENT)
- Highly translucent zirconium dioxide for natural esthetics
- Increased strength compared to lithium dioxide

**CORiTEC ZR DISC**
(ZIRCONIUM DIOXIDE TRANSLUCENT)
- Covers all dental restoration indications up to a width of 16 units

**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

**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

**CORiTEC CCOR DISC**
(NON-PRECIOUS ALLOY)
- Single crowns
- Bridges up to 16 units,
full bridges, and PFM technology

**CORiTEC CCOR MO DISC**
(NON-PRECIOUS ALLOY)
- Blank for the production of dental models
- Low-cost material, also suitable for test purposes.
or for milling calibration bodies
- Covers all indications for dental restorations of up to 16 units
- Ideally suited for monolithic restorations
- Single crowns
- Bridges up to 16 units,
full bridges, and PFM technology

**CORiTEC TI DISC**
(GRADE 2, GRADE 4, GRADE 5)
- Good mechanical properties
- Good milling properties
- Corrosion resistant

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<thead>
<tr>
<th>Ø x H (mm)</th>
<th>Grade 2 + 4</th>
<th>Grade 3</th>
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<td>98 x 10</td>
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<td>98 x 14</td>
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<td>98 x 25</td>
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</table>
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.

Represented for you in over 100 countries.

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Further information can be found under [www.imes-icore.de](http://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