



**imes-icore<sup>®</sup>**  
Dental & Medical Solutions

Best in Class!



**CORiTEC<sup>®</sup> 150i series**

# The CORiTEC® 150i series

## WHAT ARE THE DIFFERENCES?



CORiTEC 150i **PRO**

CORiTEC 150i dry

|                                  |          |          |
|----------------------------------|----------|----------|
| Touchscreen                      | ✓        | ✓        |
| Integrated PC                    | ✓        | ✓        |
| Premilled Abutments              | ✓        | ✓        |
| Wet processing                   | ✓        | -        |
| Dry processing                   | ✓        | ✓        |
| Metal processing (CoCr)          | ✓        | ✓        |
| Integrated water tank            | ✓        | -        |
| Ionizer                          | ✓        | ✓        |
| Auto-calibration                 | Optional | Optional |
| Automated cleaning function      | ✓        | ✓        |
| Chip tray                        | -        | ✓        |
| 98mm blank holder                | ✓        | ✓        |
| 6-fold glass ceramic holder      | Optional | Optional |
| Half-open blank holder "C-Clamp" | Optional | Optional |



VERSATILE IN  
all cases

# Features



Minimum compressed  
air requirement



Integrated ionizer



Auto-calibration



Automated  
cleaning function



Large number  
of holder systems



Metal processing  
(CoCr)

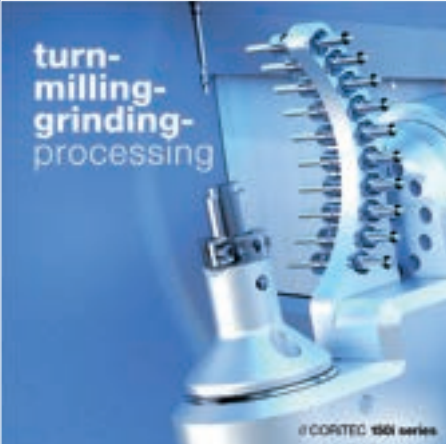
WHETHER WET OR DRY  
MACHINING, BLOCK OR BLANK  
FORM, THE CORiTEC 150i SERIES  
IMPRESSES IN ALL AREAS.



Each restoration is fabricated with optimum precision and, at the same time, the flexibility opens up an almost free choice of materials and indications. Milling and grinding of zirconium, plastics and metal\* is possible, as is the machining of CAD/CAM blocks and Pre-milled abutments. The CORiTEC 150i offers an unrivalled variety of applications in a very small space.

\*Limited metal processing (CoCr)

UNLIMITED FLEXIBILITY IN MILLING  
AND GRINDING – THAT'S THE PROMISE  
OF THE CORiTEC 150i SERIES



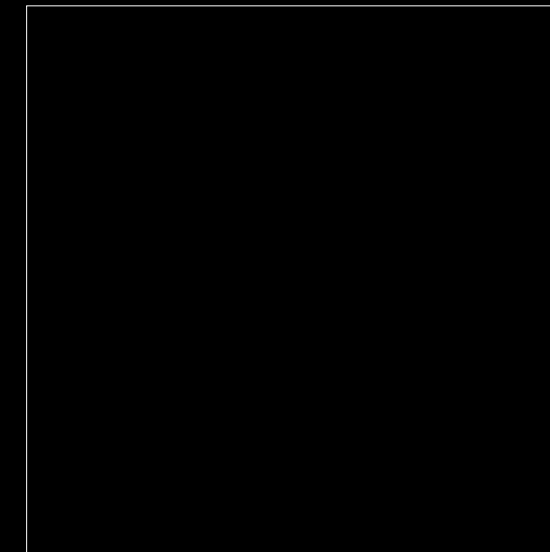
Thanks to a machining angle of up to 360°/130° (A-axis/B-axis), the system is able to effortlessly master even the most demanding tasks. The 10 tool places additionally increase the flexibility of the new CORiTEC 150i series.



# Features

## MORE PERFORMANCE, MAXIMUM FLEXIBILITY AND EXTENDED APPLICATION POSSIBILITIES WITH MINIMAL SPACE REQUIREMENTS

An exceptional ratio of power, speed and precision – this is what the powerful high-frequency spindle with 860 W and 100.000 rpm offers. Thanks to the quick-clamping system, the various holder systems can be changed quickly and easily – while maintaining the same precision. Time-consuming calibrations are therefore unnecessary.



## A VARIETY OF HOLDING SYSTEMS OFFERS MAXIMUM FLEXIBILITY FOR MAXIMUM CHALLENGES

Also new is the support of the half-open blank holder, the so-called "C-Clamp". Thanks to its open shape, it allows even the most difficult indications to be produced.





# CORiTEC® 150i PRO

## THE FLEXIBLE MILLING SYSTEM IN CONFINED SPACES

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

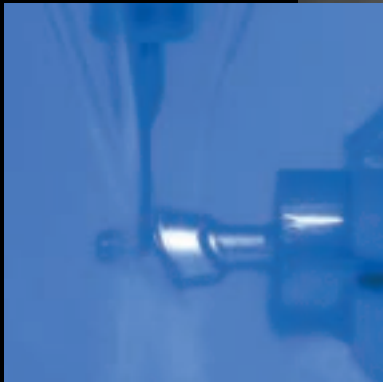
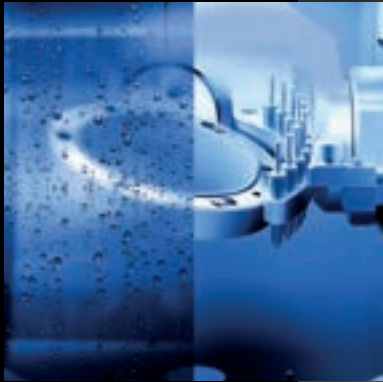
Available in two versions:



CORiTEC 150i PRO



CORiTEC 150i dry



- WET
- DRY
- 5 AX
- 3 mm  
10x
- Temperature control icon
- Touchscreen icon
- Machine icon
- ION

# CORiTEC® 150i PRO

## HIGHLIGHTS

- Novel, closed mono-block cast body for highest stability and precision
- No external PC required
- Half-open blank holder "C-Clamp" (optional)
- Ionizer inclusive
- High precision due to integrated temperature compensation
- Wet and dry machining possible
- Minimum external compressed air, only 3 bar required
- Short amortization period
- Minimal footprint
- Auto-calibration (optional)
- Automated cleaning function
- Turning-milling-grinding processing possible

ERGONOMIC  
HANDLING  
simple graphical  
touchscreen operation

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

WET AND DRY  
PROCESSING POSSIBLE



EASY CLEANING  
fully coated  
enclosed wet cell

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

INTEGRATED  
WATER TANK  
AND FILTRATION

INTEGRATED  
TEMPERATURE COMPENSATION

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

# Sintering furnaces

## iSINT eco

The **iSINT eco** offers high-quality technology as well as suitable accessories for high demands at a fair price. Compact and with a small footprint, the **iSINT eco** sintering oven still has sufficient capacity for a sintering bowl Ø100 mm for approx. 25 units. The door stop can be mounted at the right or left side.



## iSINT PRO

A larger sintering capacity of up to 80 single crowns is offered by the new **iSINT PRO**. With a heating system of four high-quality molybdenum disilicide (MoSi<sub>2</sub>) heating elements, you can choose between conventional long-term sintering or SPEED sintering at a rate of up to 99 °C/min/210.20 °F/min. The **iSINT PRO** is operated with a simple and convenient program control. The programs are indicated 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.



|                             | 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           | 30 °C/min / 86 °F/min | 99 °C/min / 210.20 °F/min |
| Power in W                  | 1300                  | 3200                      |
| Lift function               | No                    | Yes                       |
| Speedsintering              | No                    | Yes                       |

# Suction system

## iVAC silent & iVAC silent PRO

The system is equipped with a teflon filter cartridge, automatic filter cleaning and a dust drawer. With the suction power of 160m<sup>3</sup>/h the iVAC silent is perfectly suited for your CORITEC 150i and is even stowable in the optional machine table.

|                        | iVAC silent  | iVAC silent PRO  |
|------------------------|--|--|
| Airflow                | 160 m <sup>3</sup> /hr   | 240 m <sup>3</sup> /hr   |
| Power                  | 490 W  | 1610 W   |
| Filter system          | Teflon filter cartridge, automatic cleaning feature  | Teflon filter cartridge, automatic cleaning feature  |
| Filter volume          | 8 liters/30.28 gpm (dust drawer)   | 8 liters/30.28 gpm (dust drawer)   |
| Width x depth x height | 9.6 x 19.6 x 17.3 inch / 245 x 500 x 440 mm  | 10.6 x 21.2 x 21.1 inch / 270 x 540 x 535 mm   |
| Supply voltage         | 230 V  | 115 V/230 V  |
| Special features       | Suitable for machine tables T0, T1 and T2, quiet running, very compact, self-cleaning by vibration | Suitable for machine tables T1 and T2, quiet running, very compact, self-cleaning by vibration |



# Machine table

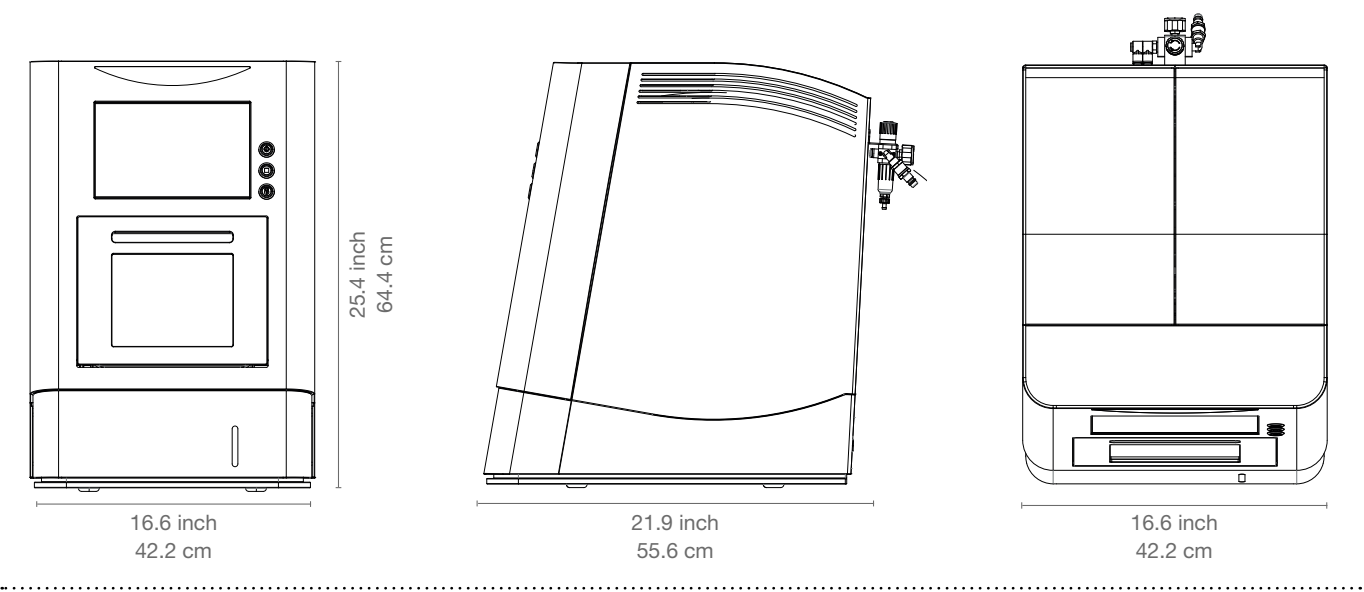
## MACHINE TABLE T0

The machine table T0 is exactly adapted to the CORITEC 150i series by its dimensions 422 x 540 x 900 mm/16.6 x 21.3 x 35.4 inch (W x D x H).

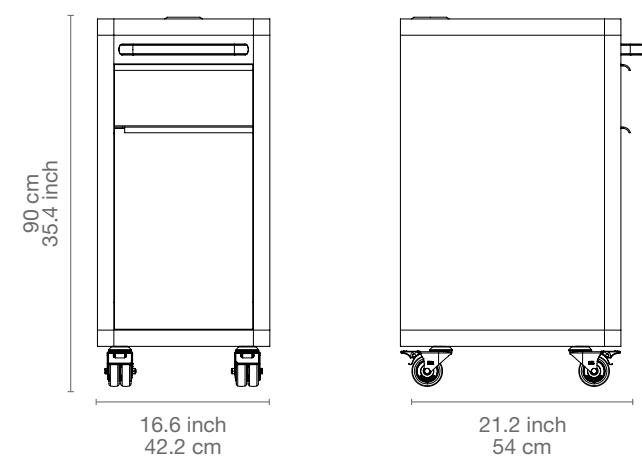


# Dimensions

## CORiTEC® 150i series



## Machine table T0



# In numbers

| Mechanics/electronics             |   |
|-----------------------------------|---|
| Number of axes and operation type | 5 axes, simultaneous processing                 |
| Rotation angle                    | A-axis 360°, B-axis 130°                        |
| Spindle / power                   | High-frequency spindle / 860 W                  |
| Maximum spindle speed             | 100.000 rpm                                     |
| Tools                             | Hilling and grinding tools with 3 mm tool shaft |
| Tool changer                      | 10-fold   |
| Tool length control               | ≤ 0.002 mm precision                            |
| Integrated PC                     | Windows based                                   |
| Monitor                           | Integrated 10'1" touchscreen                    |
| Illumination                      | Dynamic LED illumination                        |
| Software                          | SmartControl™ integrated CNC software           |
| Air pressure                      | 3 bar/43.5 PSI, 50l/min/189.25 gpm/min          |
| Cooling liquid                    | 3 liter/11.36 gpm, integrated                   |
| Connecting requirements           |   |
| Weight                            | 75 kg / 165.38 lbs                              |
| Width x depth x height            | 16.6 x 21.9 x 25.4 inch / 422 x 556 x 644 mm    |
| Line voltage/frequency            | 100 V - 240 V/50/60 Hz                          |



# Sales and support partner worldwide



Represented for you in over 100 countries.

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

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

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

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