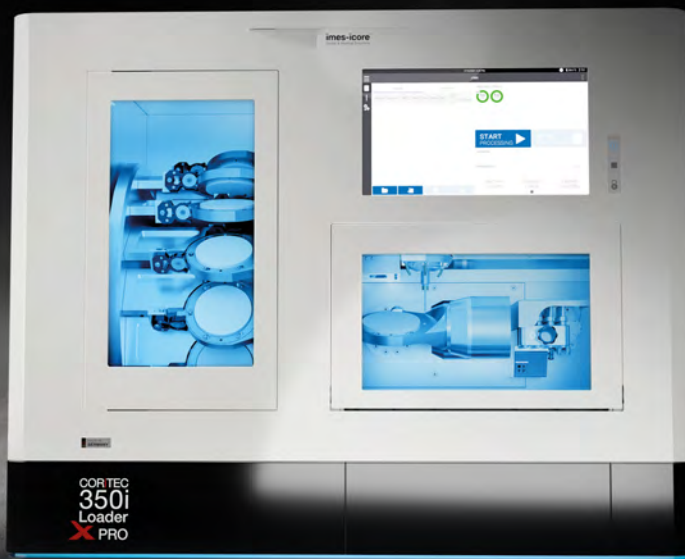




**imes-icore**<sup>®</sup>  
Dental & Medical Solutions

COMING  
SOON!



**CORiTEC<sup>®</sup> 350i X PRO series**

# CORiTEC® 350i X PRO series

WHAT ARE THE DIFFERENCES?



|                                         |                                                        |                                                                                               |
|-----------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Motor technology                        | Servo with absolute encoder                            |                                                                                               |
| Resolution                              | 32.000 Inc (0.15 µm)                                   |                                                                                               |
| Base structure                          | Polymer concrete                                       |                                                                                               |
| Screen                                  | 15.6" Full HD touchscreen                              |                                                                                               |
| Housing                                 | Glossy design, RGB LED lighting with status indication |                                                                                               |
| Fully automatic workpiece blankchanger  | Manual                                                 |  15-fold |
| Blankholder inclusive                   | 2                                                      | 8                                                                                             |
| Absolute measurement system in all axes | ✓                                                      | ✓                                                                                             |
| Spindle power                           | 3 kW                                                   |                                                                                               |
| Spindle bearing                         | Three hybrid bearings                                  |                                                                                               |
| Collet                                  | Self cleaning, 6 mm                                    |                                                                                               |
| Zero point clamping system              | ✓                                                      | ✓                                                                                             |
| Cooling system spindle                  | Water cooled                                           |                                                                                               |

# Features

NEXT-LEVEL PERFORMANCE:  
PERFECT SYMBIOSIS OF DYNAMICS AND PRECISION.



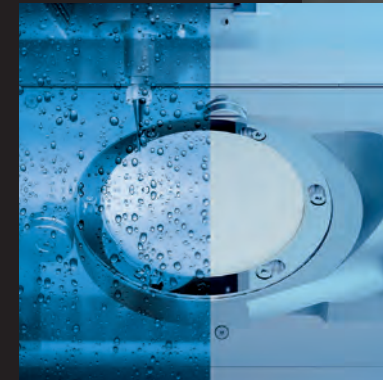
# CORiTEC® 350i X PRO series

## PERFECT SYMBIOSIS OF DYNAMICS, STABILITY AND PRECISION

The combination of new, perfectly tuned control and drive components ensures the highest performance in this machine segment. Processing times reduced by up to 50% combined with excellent surface quality allow significant increases in workload and optimize the price-performance ratio.

The new zero point clamping system **powerCLAMP** generates 4 times **XtraPower** clamping force. The resulting stiffness and further reduced vibration characteristics allow a quantum leap in performance. In combination with the extremely powerful 3 kW milling spindle, the highest demands on surface quality are achieved and new standards are set in this machine segment.

Modern and fresh design paired with optimized and smart handling completes the overall concept.



# CORiTEC® 350i X PRO

ALL CAD/CAM MATERIALS  
CAN BE PROCESSED

INTEGRATED  
WET AND DRY  
PROCESSING

POWERFUL  
3 KW SPINDLE

**powerCLAMP**  
UPGRADED  
ZERO POINT  
CLAMPING SYSTEM

LARGER  
TOUCH SCREEN  
IN FULL HD

REVOLUTIONARY  
BASE STRUCTURE OF  
POLYMER CONCRETE

COOLING PUMP WITH  
THREEFOLD POWER



COMING  
SOON!

CHANGEABLE  
TOOL MAGAZINE

|                       |                            |
|-----------------------|----------------------------|
| PMMA                  | WAX                        |
| Zr                    | COMPOSITE                  |
| PEEK                  | SINT                       |
| Glass ceramics        | PreFab Abutments           |
| CoCr                  | Ti                         |
| Standard              | C-Clamp                    |
| PreMilled Abutment    | Block                      |
| Dentures              | Zero point clamping system |
| Crowns, Bridges       | Hybrid Abutment            |
| Inlay, Onlay, Veneer  | Splint                     |
| Full Denture          | Surgical guide             |
| Model                 | Model casting              |
| Bridge                | Abutments                  |
| Telescopic technology | Hybrid machining           |

# CORiTEC® 350i Loader X PRO

FULLY AUTOMATIC  
15-FOLD BLANK CHANGER

USE OF DIFFERENT ADAPTER SYSTEMS  
e.g. premilled abutments or block materials

INTEGRATED  
WET AND DRY  
PROCESSING

AROUND THE CLOCK  
24 hours of production

**powerCLAMP**  
UPGRADED  
ZERO POINT  
CLAMPING SYSTEM

NEW IONIZER-  
MODULE  
INTEGRATED



COOLING PUMP WITH  
THREEFOLD POWER

INTEGRATED  
CLEANING  
FUNCTIONS

# Applications & holder

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

- Enables 5-axis machining up to 90 degrees axis adjustment
- Extends the technical possibilities of your milling machine
- End face machining



## MANUFACTURE OF DENTAL PROSTHESES

- Baltic Denture from Merz Dental
- Dentsply Sirona Dentures



## PREFABRICATED ABUTMENTS

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

NT-Preform® Abutment  
(nt-trading)



PreFace® Abutment  
(Medentika)



MED-Preform® Abutment  
(medentis)



DESS  
Abutmentholder



ELOS premilled  
Abutment System



## THERAPEUTIC SPLINTS

- Bite splints, bleaching splints
- Snoring splints, aligners
- Simple and high-quality implementation in CAD/CAM processes



## UNIVERSAL HOLDER FOR TURN-MILL-GRINDING PROCESSING

- High precision
- Improved surface quality
- Tool-saving machining
- Suitable adapters:

Universal



NT-Trading



Medentika



Dental Direkt



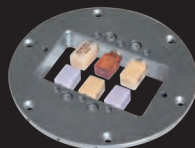
## HYBRID MACHINING - SINTERING AND MILLING

- 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



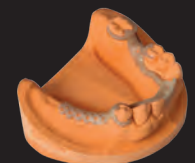
## BIOHPP ELEGANCE PREFABS

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



## MILLING OF MODEL CASTS

- Production in burnout materials, PEEK or directly in CoCr
- Allergy-free and lightweight model casting when using PEEK
- Cost-efficient



## MILLED IMPLANT MODELS

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



# Cutters & grinders | 6 mm shaft

CUSTOMIZED SOLUTIONS OPTIMIZED FOR THE  
CORITEC 350i X PRO SERIES

**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. 526029 3006

**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

**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. 526029 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. 530004 2506

**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. 526029 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

**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. 526029 1006

**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. 530004 1006

**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

**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

**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

**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

**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

**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

**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

**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

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

|     |      |
|-----|------|
| T16 | PMMA |
|     | WAX  |
|     | PEEK |

1.5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 1506

**T21 - 2.5 | 6.0 mm**  
radius grinding tool (diamond)

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

2.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526005 2506

\* Applications for processing glass ceramics not possible

# Cutters & grinders | 6 mm shaft

CUSTOMIZED SOLUTIONS OPTIMIZED FOR THE  
CORITEC 350i X PRO SERIES

**T22** - 1.0 | 6.0 mm  
radius grinding tool (diamond)

glass ceramics

1.0 mm Ø 6 mm

Art.-No. 526005 1006

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

Ti  
CoCr

2.0 mm Ø 6 mm

16 - 20 mm  
Blades

Art.-No. 526030 2006

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

glass ceramics

0.6 mm Ø 6 mm

Art.-No. 526005 0606

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

Ti  
CoCr

1.5 mm Ø 6 mm

16 - 20 mm  
Blades

Art.-No. 526030 1506

**T24** - 1.5 | 6.0 mm  
radius grinding tool (diamond)

glass ceramics

1.5 mm Ø 6 mm

Art.-No. 526005 1506

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

Ti  
CoCr

1.0 mm Ø 6 mm

16 - 20 mm  
Blades

Art.-No. 526030 1006

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

Ti  
CoCr

3.0 mm Ø 6 mm

16 - 20 mm  
Blades

Art.-No. 526030 3006

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

PMMA  
WAX  
PEEK

4.0 mm Ø 6 mm

up to 30 mm  
Blade

Art.-No. 526012 4006

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

PMMA  
WAX  
Zr

0.6 mm Ø 6 mm

up to 25 mm  
Blades

Art.-No. 526012 0606

**T37** - 2.0 | 6.0 mm  
radius milling tool long (l = 20 mm)

PMMA  
WAX  
Zr

1.5 mm Ø 6 mm

up to 30 mm  
Blades

Art.-No. 530035 1506

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

PMMA  
WAX  
Zr  
SINT  
COMP

0.3 mm Ø 6 mm

up to 25 mm  
Blades

Art.-No. 526019 0306

**T60** - 3.0 | 6.0 mm  
highspeed milling tool short (l=15 mm)

Ti

3.0 mm Ø 6 mm

up to 15 mm  
Blades

Art.-No. 530031 3006

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

PMMA  
WAX

3.0 mm Ø 6 mm

up to 30 mm  
Blades

Art.-No. 526012 3006

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

CoCr

3.0 mm Ø 6 mm

up to 15 mm  
Blades

Art.-No. 526025 3006

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

PMMA  
WAX

2.0 mm Ø 6 mm

up to 30 mm  
Blades

Art.-No. 526012 2006

**T62** - 2.0 | 6.0 mm  
torus milling tool (r = 0,2 mm, l = 16 mm, four blades)

Ti  
CoCr

2.0 mm Ø 6 mm

up to 15 mm  
Blades

Art.-No. 526025 2006

**T36** - 4.0 | 6.0 mm  
radius milling tool long (l = 31 mm)

PMMA  
WAX

4.0 mm Ø 6 mm

up to 30 mm  
Blades

Art.-No. 530019 4006

**T63** - 1.5 | 6.0 mm  
torus milling tool (r = 0,08 mm, l = 7 mm, two blades)

Ti  
CoCr

1.5 mm Ø 6 mm

up to 15 mm  
Blades

Art.-No. 526025 1506

# Cutters & grinders | 6 mm shaft

CUSTOMIZED SOLUTIONS OPTIMIZED FOR THE  
CORITEC 350i X PRO SERIES

**T64 - 1.5 l 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

**T80 - 2.5 l 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

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

T98

CALIBR.

2.5 mm Ø 6 mm

Blades

Art.-No. 526024 2506

**T124 - Ø 2.0 x 1.0 l 6.0 mm**  
T-tool 90° ( $d = 1.0$  mm,  $l = 9.5$  mm, three blades)

T124

Ti  
CoCr

2.0 mm Ø 6 mm

Blades

Art.-No. 530040 2006

**T67 - 2.0 l 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

**T81 - 1.5 l 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

**T103 - M2 l 6.0 mm**  
Thread milling tool

T103

Ti  
CoCr

M2 6 mm

Art.-No. 526040 2006

**T112 - 1.5 l 6.0 mm**  
shaft milling tool (single blade)

T112

Aligner

1.5 mm Ø 6 mm

Blade

Art.-No. 526041 1506

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

T68

Ti  
CoCr

1.5 mm Ø 6 mm

Blades

Art.-No. 526021 1506

**T82 - 2.65 l 6.0 mm**  
drilling tool ( $l = 21$  mm)

T82

Ti  
CoCr

2.65 mm Ø 6 mm

bis 20 mm

Drill

Art.-No. 526031 26506

**T121 - Ø 1.6 x 0.7 l 6.0 mm**  
T-tool 90° ( $d = 0.65$  mm,  $l = 7.5$  mm, three blades)

T121

Ti  
CoCr

1.6 mm Ø 6 mm

Blades

Art.-No. 530040 1606

**T69 - 1.5 l 6.0 mm**  
shaft milling tool ( $l = 7$  mm, four blades)

T69

Ti  
CoCr

1.5 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 530032 1506

**T83 - 2.25 l 6.0 mm**  
drilling tool ( $l = 21$  mm)

T83

Ti  
CoCr

2.25 mm Ø 6 mm

bis 20 mm

Drill

Art.-No. 526032 22506

**T122 - Ø 1.7 x 0.7 l 6.0 mm**  
T-tool 90° ( $d = 0.65$  mm,  $l = 8.0$  mm, three blades)

T122

Ti  
CoCr

1.7 mm Ø 6 mm

Blades

Art.-No. 530040 1706



# Materials

## priti® MULTIDISC (ZIRCONIUM DIOXIDE)

High-end zirconium dioxide for the highest mechanical and aesthetic demands. Indications for use include up to 16-unit bridges, limited to a maximum of 3-unit bridges for High Translucent.

A large selection of colors and heights is available.

|                        | Translucency | Strength       |
|------------------------|--------------|----------------|
| Multi Translucent PLUS | 49-45 %      | 800 – 1150 MPa |
| Multi Translucent      | 49-40 %      | 800 – 1150 MPa |
| High Translucent       | 49 %         | > 650 MPa      |
| Extra Translucent      | 45 %         | > 1150 MPa     |
| Translucent            | 40 %         | > 1150 MPa     |
| Opaque                 | 35 %         | > 1150 MPa     |



## CORTEC SPLINT COMFORT POLYMERS

Extremely comfortable and biocompatible material for the manufacturing of therapeutic splints such as occlusal or stabilization splints. Becomes more flexible at mouth temperature for maximum wearing comfort.

Available in 16 mm and 20 mm.



## CORTEC SPLINT BASIC POLYMERS

Crystal-clear material for the manufacturing of therapeutic splints and drilling templates.

Available in 16 mm and 20 mm.



## CORTEC TEMP PMMA DISC

An excellently processable material suitable for long-term provisionals with a wear duration of up to three years, including intrinsic color gradients.

Available in 8 Vita colors in 16 mm and 20 mm.



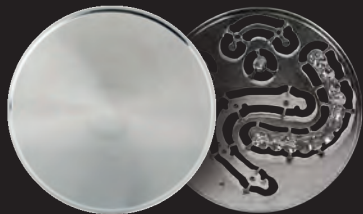
## CORTEC GUM PMMA DISC

For gingiva replacement, available in 25 mm.



## CORTEC TITAN GRADE 5 DISC

CORTEC Titan Grade 5 milling blanks made of titanium alloys are particularly suitable for the production of dental implants, bridge work, and combination work. This material is characterized by excellent millability and very good biocompatibility.



TO priti® MULTIDISC & CORTEC MATERIALS

# CORiTEC® SmartControl

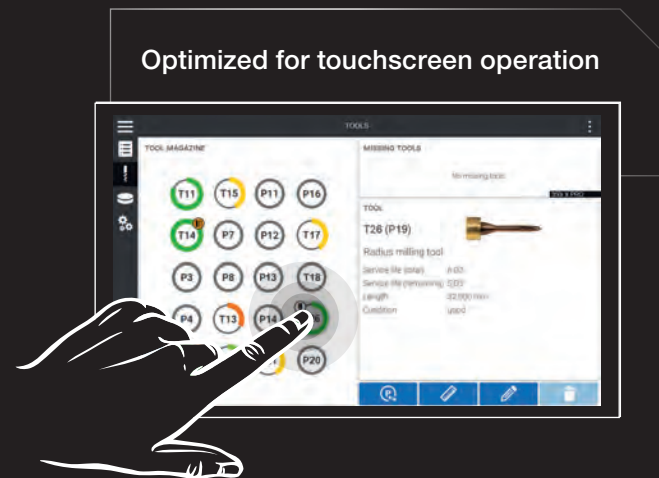
## SMART CONTROL OF MACHINE SOFTWARE

### SmartControl: one touch ahead!

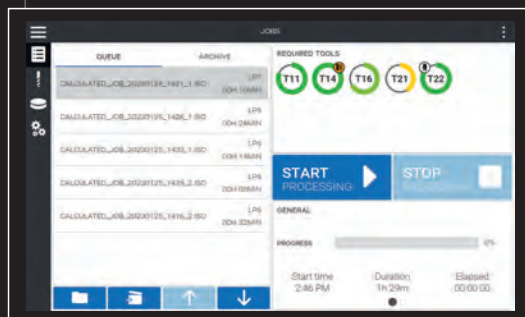
The newly developed control software SmartControl provides absolutely intuitive operation of our milling machines. From selecting the job to milling or querying the machine status: the self-explanatory and optimized handling makes it possible to start operating the machine in the shortest possible time.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

### FEATURES

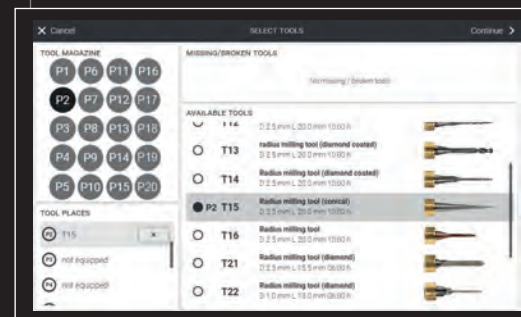
- Modern design and simple touch operation
- Intelligent selection of milling jobs
- Easy tool and material loading
- Auto-calibration of the machine
- Wizard guided cleaning and maintenance
- Connection to the Dental Smart Market (DSM)
- Multilingual program interface
- Automatic update function



### Automated transfer of information from the CAM software



### Ideal tool management



# Scanner COMPATIBLE WITH exocad

## CORiTEC i3Dscan color

- Automatic object guidance into the measuring field
- Modern touch-operation design
- The 180-degree opening offers a large working area

## CORiTEC i3Dscan color HR

- Enormously high scanning efficiency and precision (4 µm)
- Color texture scan
- Blue-Light LED & high resolution camera (2.8 MP)
- All modules included in the scope of delivery



# CAM software

## CORiTEC iCAM V5 smart

- All strategies optimized for 5-axis simultaneous machining
- Automatic exchange of implant connections (ReFit option)
- No annual license fees
- Fully automatic and easy operation with “Wizard Workflow”



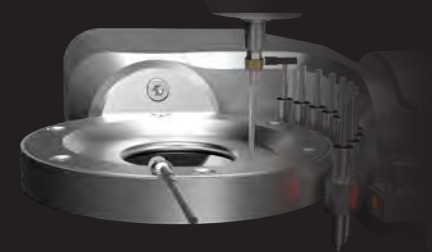
## CORiTEC iCAMHD

- hyperDENT based CAM software
- Flexible payment model (purchase or subscription model)

# Auto-calibration

## Fast, precise, cost-efficient

Auto-calibration allows both, dentist and dental technician, a quick and easy handling to ensure lasting precision without compromise.



# 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                       |

# Machine tables

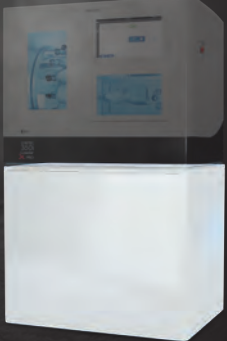
The undercounters, specially developed for the needs of the various machine types, impress with their sturdy design as well as their attractive appearance. The machine tables have sufficient storage space. Stable rollers ensure optimum stability and easy movement of the devices. Drawers, cable ducts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

| Machine table<br>350i X PRO                                  | Machine table<br>350i Loader X PRO                            |
|--------------------------------------------------------------|---------------------------------------------------------------|
| 758 x 790 x 900 mm /<br>29.9 x 31.1 x 35.4 inch<br>W x D x H | 1058 x 790 x 900 mm /<br>41.7 x 31.1 x 35.4 inch<br>W x D x H |
| COR.TEC 350i X PRO                                           | COR.TEC 350i Loader X PRO                                     |

MACHINE TABLE  
350i X PRO



MACHINE TABLE  
350i Loader X PRO



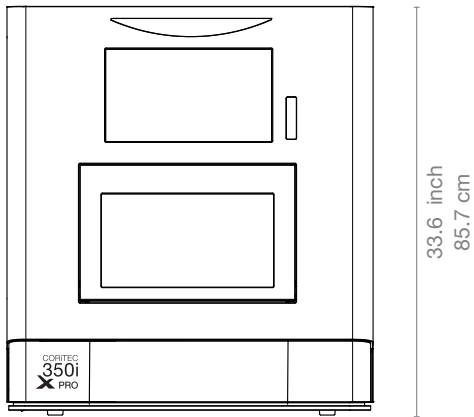
# Dust extraction systems

|                | iVAC eco+                                    | iVAC silent PRO                                        | iVAC PRO+                                              |
|----------------|----------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Volume flow    | 260 m³/h                                     | 240 m³/h                                               | 280m³/h                                                |
| Output         | 1200 W                                       | 1610 W                                                 | 1200 W                                                 |
| Filter system  | Dust drawer,<br>HEPA filter                  | Teflon filter cartridge,<br>automatic cleaning feature | Teflon filter cartridge,<br>automatic cleaning feature |
| Filter volume  | 25 l                                         | 8 l                                                    | 15 l                                                   |
| W x D x H      | 7.3 x 18.1 x 29.5 inch<br>440 x 460 x 750 mm | 10.6 x 21.2 x 21.1 inch<br>270 x 540 x 535 mm          | 13.7 x 13.7 x 39.3 inch<br>350 x 350 x 1000 mm         |
| Supply voltage | 100-240 V<br>50/60 Hz                        | 110-230 V<br>50/60 Hz                                  | 100-240 V<br>50/60 Hz                                  |



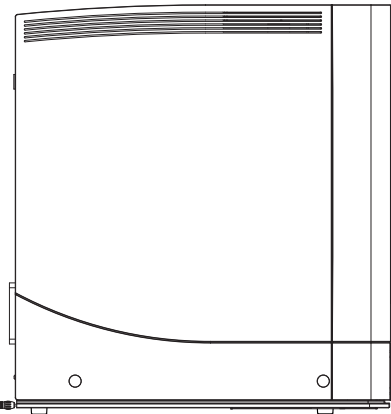
# Dimensions

## CORiTEC® 350i X PRO series

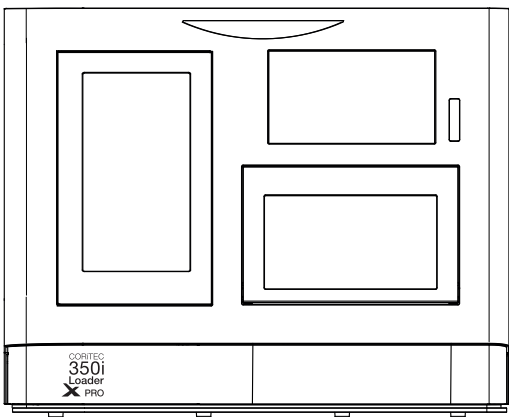


33.6 inch  
85.7 cm

29.8 inch  
75.8 cm

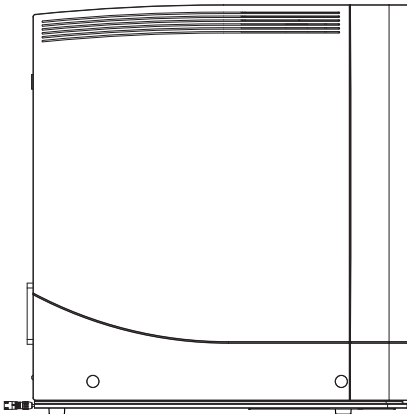


29.8 inch  
79 cm



33.6 inch  
85.7 cm

41.6 inch  
105.8 cm



29.8 inch  
79 cm

# In numbers

CORiTEC 350i X PRO

CORiTEC 350i Loader X PRO

| Mechanics / Electronics                         |                                                       |                                                       |
|-------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Base structure                                  | Polymer concrete                                      | Polymer concrete                                      |
| Number of axes and operation type               | 5 axes, simultaneous machining                        | 5 axes, simultaneous machining                        |
| Rotation angle                                  | A-axis 360°, B-axis 115°                              | A-axis 360°, B-axis 115°                              |
| Spindle                                         | High-frequency spindle                                | High-frequency spindle                                |
| Maximum spindle speed / spindle power           | 60.000 rpm<br>3 kW                                    | 60.000 rpm<br>3 kW                                    |
| Spindle cooling                                 | Water cooled                                          | Water cooled                                          |
| Zero point clamping system<br><b>powerCLAMP</b> | Yes                                                   | Yes                                                   |
| Blankchanger                                    | -                                                     | Up to 15 blanks with stainless steel holder           |
| Tools                                           | Milling and grinding tools with 6 mm shaft            | Milling and grinding tools with 6 mm shaft            |
| Tool changer                                    | 20-fold                                               | 20-fold                                               |
| Tool length control                             | ≤ 0.002 mm precision                                  | ≤ 0,002 mm precision                                  |
| Integrated PC                                   | Windows based                                         | Windows based                                         |
| Display                                         | 15.6" Full HD touchscreen                             | 15.6" Full HD touchscreen                             |
| Illumination                                    | RGB LED illumination with status indication           | RGB LED illumination with status indication           |
| Software                                        | SmartControl™                                         | SmartControl™                                         |
| Compressed air supply                           | 6,0 - 9,0 bar @ 80 l/min<br>87 - 130 PSI @ 2,9 cf/min | 6,0 - 9,0 bar @ 80 l/min<br>87 - 130 PSI @ 2,9 cf/min |
| Cooling liquid                                  | 3,7 l / 0,98 gal (US)                                 | 3,7 l / 0,98 gal (US)                                 |
| Connecting requirements                         |                                                       |                                                       |
| Weight                                          | ca. 220 kg / 485 lbs                                  | ca. 265 kg / 584 lbs                                  |
| Width x depth x height                          | 758 x 790 x 857 mm /<br>29.9 x 31.1 x 33.8 inch       | 1058 x 790 x 857 mm /<br>41.6 x 31.1 x 33.8 inch      |
| Supply voltage / frequency                      | 100 V - 240 V / 50/60 Hz                              | 100 V - 240 V / 50/60 Hz                              |

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