



imes-icore®
Dental & Medical Solutions

COMING
SOON!



Available
for order
NOW!



CORiTEC® 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, steel rails	
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.



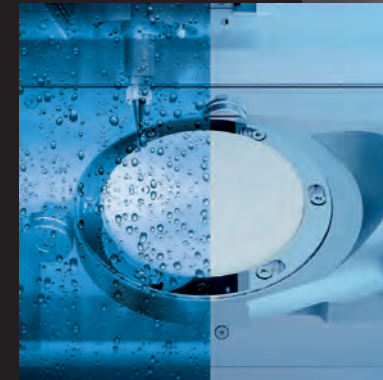
CORiTEC® 350i X PRO series

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 50% combined with excellent surface quality allow significant increases in workload and optimize the price-performance ratio.

The new zero point clamping system 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

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	Drilling template
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. prefabricated abutments or block materials

INTEGRATED
WET AND DRY
PROCESSING

AROUND THE CLOCK
24 hours of production

UPGRADED
ZERO POINT
CLAMPING SYSTEM

NEW IONIZER-
MODULE
INTEGRATED

Available
for order
NOW!

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



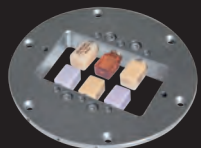
HYBRID MACHINING - SINTERING AND MILLING

- 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



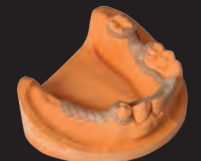
BIOHPP ELEGANCE PREFABS

- 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





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

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

PMMA
T11 WAX
PEEK

2,5 mm Ø 6 mm

up to 25 mm ↑

Blade

Art.-No. 530004 2506

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/T13 - 2.5 | 6.0 mm
radius milling tool

PMMA
T11 WAX
T13 Zr

2,5 mm Ø 6 mm

up to 25 mm ↑

Blades

Art.-No. 526019 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

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

PMMA
T12 WAX
PEEK

1,0 mm Ø 6 mm

up to 25 mm ↑

Blade

Art.-No. 530004 1006

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/T14 - 1.0 | 6.0 mm
radius milling tool

PMMA
T12 WAX
T14 Zr

1,0 mm Ø 6 mm

up to 25 mm ↑

Blades

Art.-No. 526019 1006

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

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

T14/T41/T51 - 1.0 l 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

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

T15 **PMMA**
T42 **WAX**
T52 **SINT**
T52 **COMP**

0,6 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 0606

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

T16 **PMMA**
T16 **WAX**
T16 **PEEK**

1,5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 1506

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

T17 **PMMA**
T17 **WAX**
T17 **Zr**

1,5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526001 1506

T18 - 0.5 l 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

T19 - 0.5 l 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

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

T20 **Ti**
T20 **CoCr**

0,6 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 526003 0606

T21 - 2.5 l 6.0 mm
radius grinding tool (diamond)

T21 **glass ceramics**

2,5 mm Ø 6 mm

Blades

Art.-No. 526005 2506

T22 - 1.0 l 6.0 mm
radius grinding tool (diamond)

T22 **glass ceramics**

1,0 mm Ø 6 mm

Blades

Art.-No. 526005 1006

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

T23 **glass ceramics**

0,6 mm Ø 6 mm

Blades

Art.-No. 526005 0606

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

T26 **Ti**
T26 **CoCr**

3,0 mm Ø 6 mm

16 - 20 mm

Blades

Art.-No. 526030 3006

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

T27 **Ti**
T27 **CoCr**

2,0 mm Ø 6 mm

16 - 20 mm

Blades

Art.-No. 526030 2006

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

T28 **Ti**
T28 **CoCr**

1,5 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526030 1506

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

T29 **Ti**
T29 **CoCr**

1,0 mm Ø 6 mm

16 - 20 mm

Blades

Art.-No. 526030 1006

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

T30 **PMMA**
T30 **WAX**
T30 **PEEK**

4,0 mm Ø 6 mm

up to 30 mm

Blade

Art.-No. 526012 4006

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

T32 **PMMA**
T32 **WAX**
T32 **Zr**

0,6 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526012 0606

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

T33 **PMMA**
T43 **WAX**
T53 **Zr**
T53 **SINT**
T53 **COMP**

0,3 mm Ø 6 mm

up to 25 mm

Blades

Art.-No. 526019 0306

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

T34 **PMMA**
T34 **WAX**

3,0 mm Ø 6 mm

up to 30 mm

Blades

Art.-No. 526012 3006

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

T35 **PMMA**
T35 **WAX**

2,0 mm Ø 6 mm

up to 30 mm

Blades

Art.-No. 526012 2006

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

T60 **Ti**

3,0 mm Ø 6 mm

up to 15 mm

Blades

Art.-No. 530031 3006

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

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

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

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

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

T68 Ti
CoCr

1,5 mm Ø 6 mm

16 - 20 mm

Blades

Art.-No. 526021 1506

T69 - 1.5 | 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

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

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

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

T98 CALIBR.
CoCr

2,5 mm Ø 6 mm

Blades

Art.-No. 526024 2506

T121 - Ø 1.6 x 0.7 | 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

T122 - Ø 1.7 x 0.7 | 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

T123 - Ø 1.8 x 1.0 | 6.0 mm
T-tool 90° (d = 0.9 mm, l = 7.1 mm, three blades)

T123 Ti
CoCr

1,8 mm Ø 6 mm

Blades

Art.-No. 530040 1806

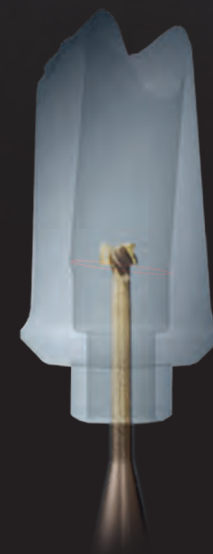
T124 - Ø 2.0 x 1.0 | 6.0 mm
T-tool 90° (d = 1.0 mm, l = 9.5 mm, three blades)

T124 Ti
CoCr

2,0 mm Ø 6 mm

Blades

Art.-No. 530040 2006



Materials

priti® MULTIDISC (ZIRCONIUM DIOXIDE)

High-end zirconia for highest mechanical and aesthetic demands.
Indications up to 16-unit bridges, max. 3-unit bridges only with High Translucent.

Wide range of colors and heights available.

	Translucence	Strength
Multi Translucent	49-40 %	80 - 1150 MPa
High Translucent	49 %	> 650 MPa
Extra Translucent	45 %	> 1150 MPa
Translucent	40 %	> 1150 MPa
Opaque	35 %	> 1150 MPa



CORITEC NEM (NON-PRECIOUS METALS)

Burn-on non-precious metal dental milling alloys for the fabrication of e.g. up to 16-unit bridges, implant-supported superstructures etc.

CORITEC NEM is characterized by excellent mechanical properties and good machinability.



CoCr M6 disc

molybdenum containing
type 4 alloy (EN ISO 22674)



CoCr W8 disc

tungsten containing
type 4 alloy (EN ISO 22674)

CORITEC SPLINT COMFORT POLYMERS

Extremely comfortable and biocompatible material for the fabrication of therapeutic splints such as occlusal or stabilization splints. For maximum comfort it becomes more flexible at mouth temperature.

Available in 16 mm and 20 mm.



CORITEC SPLINT BASIC POLYMERS

Crystal clear material for the fabrication of therapeutic splints and drilling templates. Good machinability.

Available in 16 mm and 20 mm.



CORITEC TEMP PMMA DISC

An excellent material to work with that is suitable for long-term temporaries with up to three years of wear and that also contains intrinsic color gradients.

Available in 8 vita shades in 16 mm and 20 mm.



CORITEC GUM PMMA DISC

For gingiva replacement, available in 25 mm.



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!

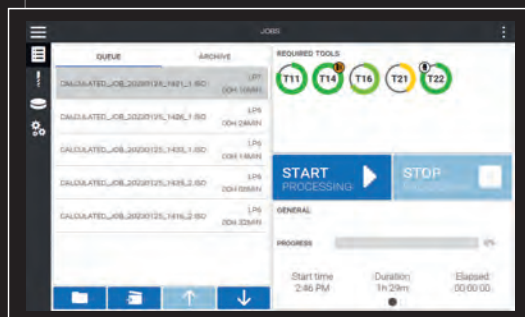
FEATURES

- 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

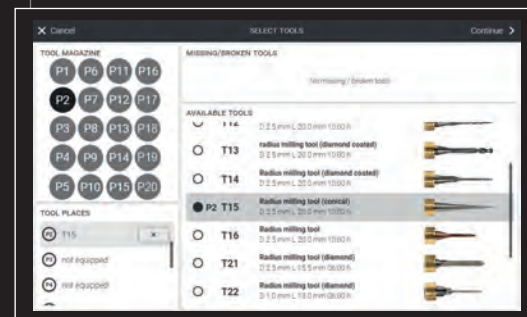
Optimized for touchscreen operation



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”



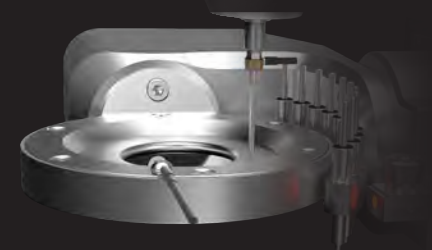
CORiTEC iCAMHD

- 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 (MoSi₂) 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

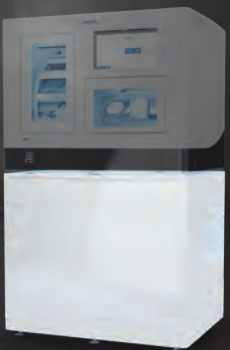
The undercounters, specially developed for the needs of the various machine types, impress with their sturdy design as well as their attractive appearance. The machine tables have sufficient storage space. Stable rollers ensure optimum stability and easy movement of the devices. Drawers, cable ducts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

Machine table 350i X PRO	Machine table 350i Loader X PRO
758 x 790 x 900 mm / 29.9 x 31.1 x 35.4 inch W x D x H	1058 x 790 x 900 mm / 41.7 x 31.1 x 35.4 inch 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



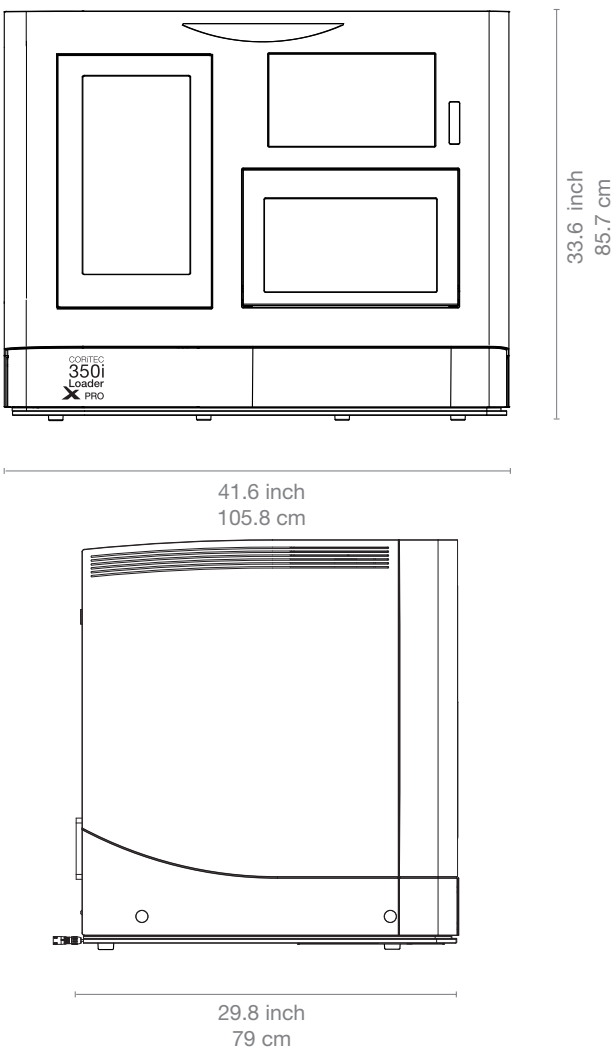
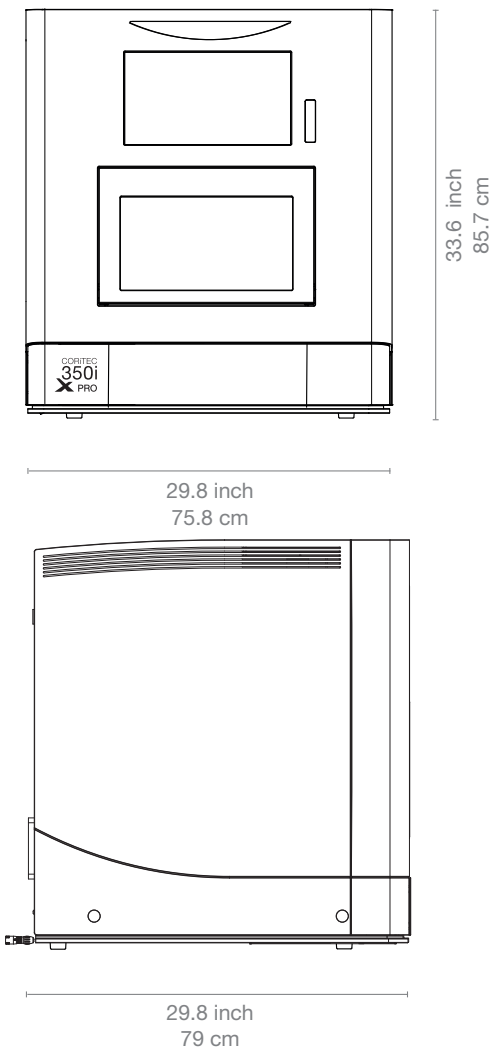
Dust extraction systems

	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, HEPA filter	Teflon filter cartridge, automatic cleaning feature	Teflon filter cartridge, 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 440 x 460 x 750 mm	10.6 x 21.2 x 21.1 inch 270 x 540 x 535 mm	13.7 x 13.7 x 39.3 inch 350 x 350 x 1000 mm
Supply voltage	100-240 V 50/60 Hz	110-230 V 50/60 Hz	100-240 V 50/60 Hz



Dimensions

CORiTEC® 350i X PRO series



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 3 kW	60.000 rpm 3 kW
Spindle cooling	Water cooled	Water cooled
Zero point clamping system	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 87 - 130 PSI @ 2,9 cf/min	6,0 - 9,0 bar @ 80 l/min 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 / 29.9 x 31.1 x 33.8 inch	1058 x 790 x 857 mm / 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

DESIGN | SCANNING | 3D PRINTING | MILLING | MATERIALS | POST-PROCESSING



Toronto, ON
Montreal, QC
Atlanta, GA

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 1-888-887-7686

**Digital Dental
Solutions**

CONTACT US

