


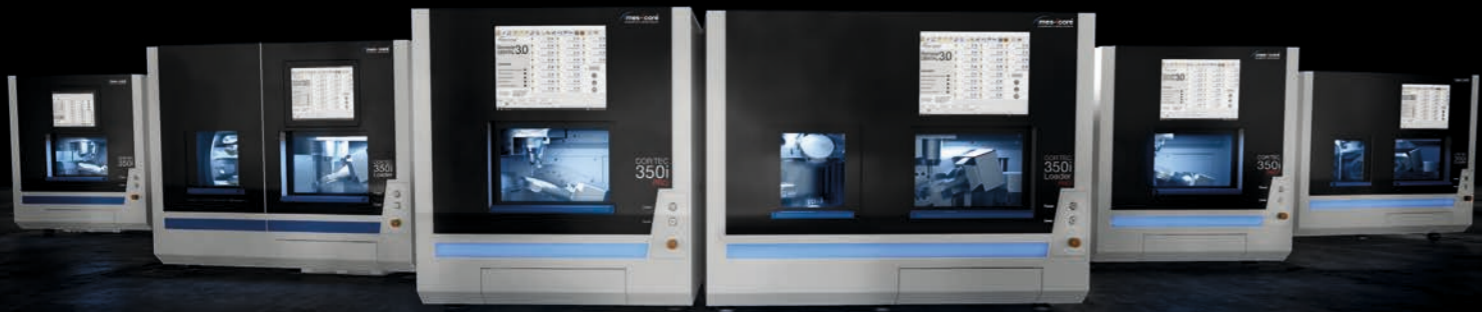


# CORiTEC 350i series

# The CORiTEC 350i series

## WHAT ARE THE DIFFERENCES?

	CORiTEC 350i		CORiTEC 350i Loader		CORiTEC 350i PRO+	
Motor technology	Servo with encoder		Servo with absolute encoder			
Resolution	10.000 Inc (0.5 µm)		32.000 Inc (0.15 µm)			
Base structure	steel/aluminum		polymer concrete, steel rails			
Screen	12" touchscreen		15" HD touchscreen			
Housing	mat (frosted) design		shiny design, LED illumination			
Fully automatic workpiece blankchanger	manual	 12-fold	manual	 12-fold	manual	 12-fold
Blankholder inclusive	1	6	2	8	2	8
Absolute measurement system in all axes	-	-	✓	✓	✓	✓
Spindle power	1.0 kW	1.0 kW	1.0 kW	1.0 kW	2.6 kW	2.6 kW
Spindle bearing	two hybrid bearings			three hybrid bearings		
Collet	6 mm			6 mm (self cleaning)		
zero point clamping system	optional	✓	✓	✓	✓	✓
Cooling system spindle	air cooled			water cooling system		



THE BUSINESS CLASS  
of dental  
CAD/CAM machines!



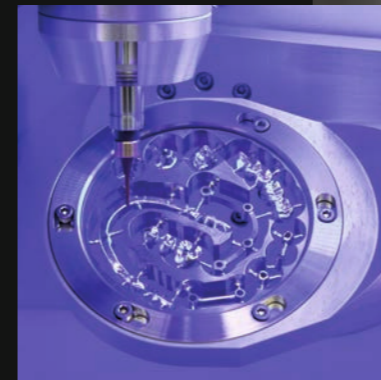
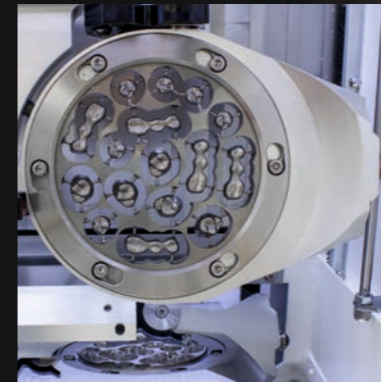
# CORiTEC 350i/350i Loader

## THE AUTOMATED ALL-IN-ONE SOLUTION

The CORiTEC 350i processing system is an innovative machine concept, developed to meet any requirements of modern CAD/CAM processing. The processing of all relevant blank materials of cobalt chrome, titanium, zirconium dioxide, plastics, block materials, and new future materials is thus possible with a single machine system, virtually without restrictions.

The optional zero-point clamping system of the CORiTEC 350i allows a simple blank change of the complete blank holder at the push of a button. In addition, the zero point clamping system can be used to clamp a wide range of adapter the system can be used for a variety of applications, e.g. different PreFab abutment holders, glass ceramic holders or the C-Clamp.

The CORiTEC 350i Loader with fully automated blank magazine also enables versatile machining of up to 12 blanks in unmanned operation.



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

# CORiTEC 350i

SIMPLE TOUCHSCREEN OPERATING

20-FOLD TOOL CHANGER

ZERO-POINT CLAMPING SYSTEM OPTIONAL POSSIBLE

STABLE CHASSIS CONSTRUCTION

INTEGRATED WET AND DRY PROCESSING

OPTIONAL IONIZER POSSIBLE

INTEGRATED TEMPERATURE COMPENSATION



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

FULLY AUTOMATIC 12-FOLD BLANK CHANGER


INTEGRATED WET AND DRY PROCESSING

ZERO POINT CLAMPING SYSTEM INTEGRATED

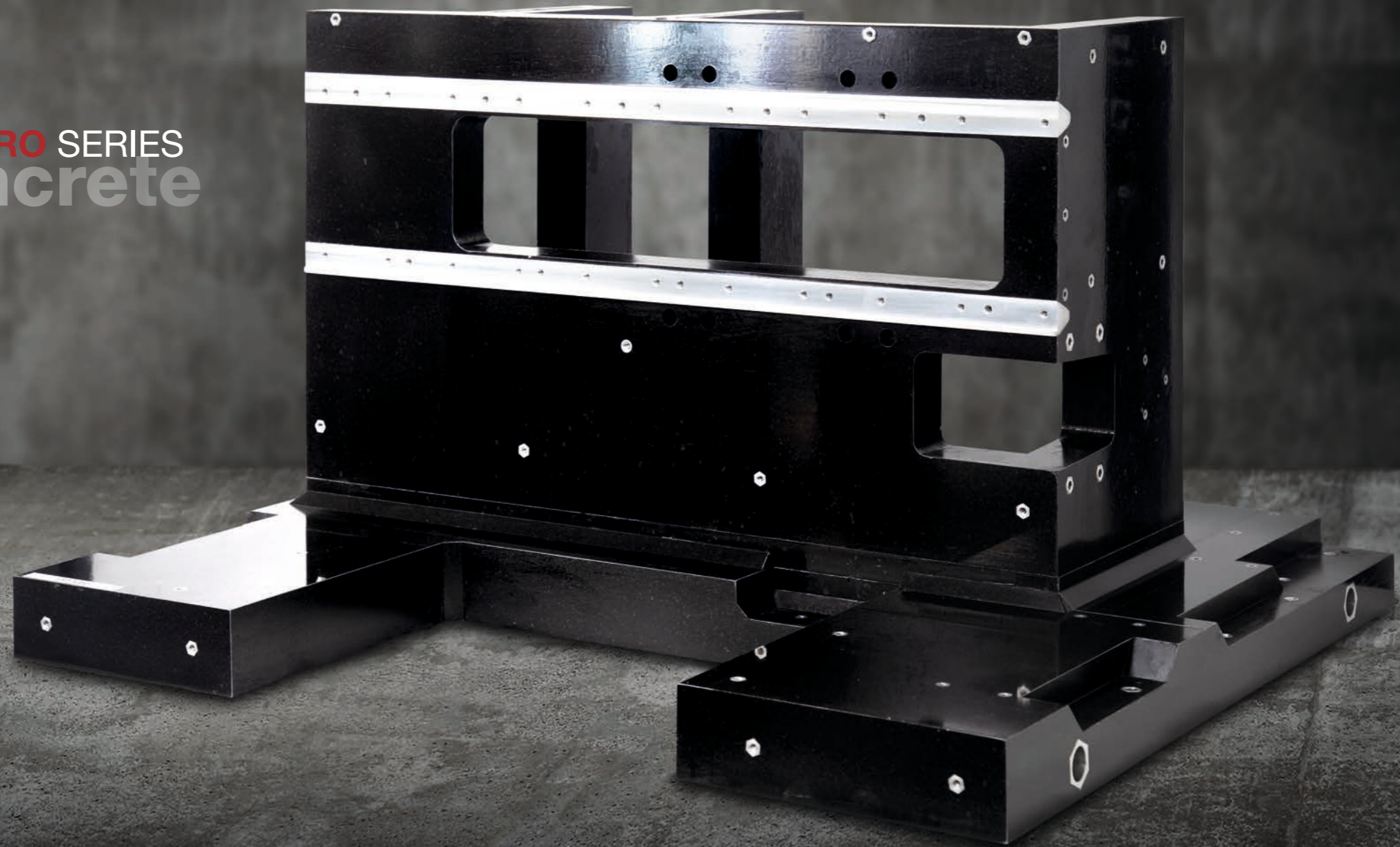
AROUND THE CLOCK 24 hours production operation

OPTIONAL IONIZER POSSIBLE

INTEGRATED TEMPERATURE COMPENSATION



CORITEC 350i **PRO** SERIES  
polymer concrete  
base



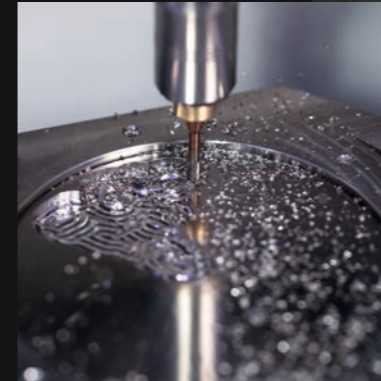
# CORiTEC 350i PRO/350i Loader PRO

## THE PROFESSIONAL SOLUTION FOR HIGHEST DEMANDS

The high-resolution dynamic servo motors with absolute measuring systems used in the CORiTEC 350i PRO series guarantee up to 20 % faster machining with optimum precision.

A further advantage of the PRO series is that this machine system is constructed from a one-piece machine frame made of polymer concrete and thus guarantees the highest possible stability for vibration-free machining.

The CORiTEC 350i Loader PRO with fully automated blank magazine also enables versatile machining of up to 12 blanks in unmanned operation. Due to the precise repositioning of the zero point clamping system, different PreFab abutment holders can be used.



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

# CORiTEC 350i PRO

ALL CAD/CAM MATERIALS  
CAN BE PROCESSED

15 INCH  
TOUCHSCREEN

REVOLUTIONARY  
BASE STRUCTURE OF  
POLYMER CONCRETE

INTEGRATED TEMPERATURE  
COMPENSATION



INTEGRATED  
WET AND DRY  
PROCESSING

ABSOLUTE MEASURING  
SYSTEM IN ALL AXES

ZERO-POINT  
CLAMPING  
SYSTEM  
STANDARD

20-FOLD  
TOOL CHANGER

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 PRO

FULLY AUTOMATIC  
12-FOLD BLANK CHANGER

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

NEW, HIGH-DYNAMIC SERVO DRIVES  
for up to 20 % quicker processing

INTEGRATED  
WET AND DRY  
PROCESSING

AROUND THE CLOCK  
24 hours of production

ZERO POINT  
CLAMPING  
SYSTEM

OPTIONAL  
IONIZER  
POSSIBLE

INTEGRATED  
TEMPERATURE  
COMPENSATION



# CORiTEC 350i PRO<sup>+</sup>/350i Loader PRO<sup>+</sup>

## THE PLUS OF PERFORMANCE AND PRECISION

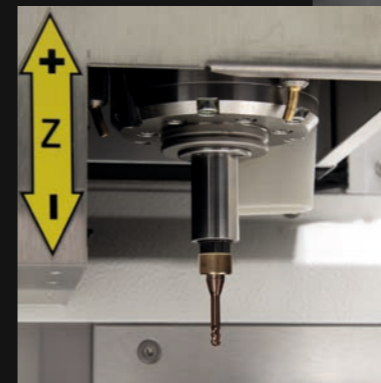
As already implemented in the CORiTEC 350i PRO, the CORiTEC 350i PRO<sup>+</sup> series also comes with high-resolution dynamic servo motors and absolute measuring systems. To use this advanced technology and to be able to fully exploit its full potential, the CORiTEC 350i PRO<sup>+</sup> is equipped with a water-cooled, powerful 2.6 kW spindle with 3-fold hybrid ball bearing (water-cooled). Reaching the stability and reducing vibrations is given by the massive stainless steel blank holders.

The water cooling ensures a constant temperature of the milling spindle, so thermal expansion of the milling spindle is significantly minimized and enables even more precise milling results.

The CORiTEC 350i Loader PRO<sup>+</sup> with fully automated blank magazine also enables the versatile machining of up to 12 blanks in unmanned operation.



Zero-point clamping system for stainless steel blank holder



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



# CORiTEC 350i PRO<sup>+</sup>



HIGH-RESOLUTION DYNAMIC  
SERVO MOTORS  
with absolute measuring system

INTEGRATED  
WET AND DRY  
PROCESSING

20-FOLD  
TOOL CHANGER

OPTIONAL  
IONIZER  
POSSIBLE



STAINLESS STEEL BLANK HOLDER

INTEGRATED  
TEMPERATURE  
COMPENSATION

PMMA	WAX
Zr	COMPOSITE
PEEK	SINT
Glass ceramics	PreFab Abutments
CoCr	Ti
Standard	C-Clamp
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Model	Model casting
Bridge	Abutments
Telescopic technology	Hybrid machining

# CORiTEC 350i Loader PRO<sup>+</sup>

STAINLESS STEEL  
BLANK HOLDER

INTEGRATED  
WET AND DRY  
PROCESSING

AROUND THE CLOCK  
24 hours of production

OPTIONAL IONIZER  
POSSIBLE



OPTIONAL  
IONIZER  
POSSIBLE

NEW, HIGH-DYNAMIC SERVO DRIVES  
for up to 20 % quicker processing

INTEGRATED  
TEMPERATURE  
COMPENSATION

# Applications & holder

## 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 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

DESS  
Abutmentholder



NT-Preform® Abutment  
(nt-trading)



PreFace® Abutment  
(Medentika)



## THERAPEUTIC SPLINTS

- bite splints, bleaching splints
- snoring splints, aligners
- simple and high-quality implementation in CAD/CAM processes



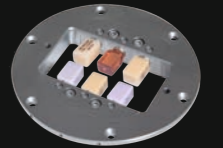
## HYBRID MACHINING - SINTERING AND MILLING\*

- 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



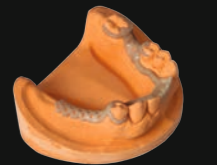
## BIOHPP ELEGANCE PREFABS

- 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 combustible 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



## MODEL MILLING BAUMANN SYSTEM

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



\*only for CORTEC 350i PRO<sup>+</sup> in preparation

**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)

T11	PMMA
	WAX
	PEEK

2,5 mm Ø      6 mm

up to 25 mm

Blade

Art.-No. 526004 2506

**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

**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

T11	PMMA
	WAX
T13	Zr

2,5 mm Ø      6 mm

up to 25 mm

Blades

Art.-No. 526019 2506

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

T15	PMMA
	WAX
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

**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)

T12	PMMA
	WAX
	PEEK

1,0 mm Ø      6 mm

up to 25 mm

Blade

Art.-No. 526004 1006

**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 milling tool (diamond)

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

2,5 mm Ø      6 mm

Blades

Art.-No. 526005 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/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

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

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

1,0 mm Ø      6 mm

Blades

Art.-No. 526005 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

**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

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

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


0,6 mm Ø      6 mm

Blades

Art.-No. 526005 0606

**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

**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

**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

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

Ti
CoCr



2,5 mm Ø 6 mm

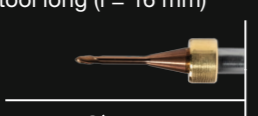
up to 20 mm

Drill

Art.-No. 526023 2506

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

Ti
CoCr



2,0 mm Ø 6 mm

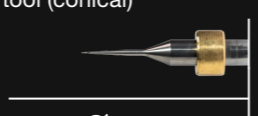
16 - 20 mm

Blades

Art.-No. 526030 2006

**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

**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

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

Ti
CoCr



1,5 mm Ø 6 mm

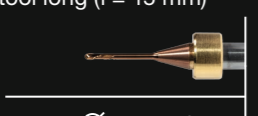
up to 20 mm

Drill

Art.-No. 526023 1506

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

Ti
CoCr



1,5 mm Ø 6 mm

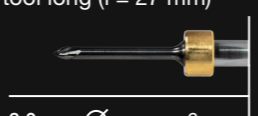
up to 25 mm

Blades

Art.-No. 526030 1506

**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

**T64 - 1.5 | 6.0 mm**  
torus milling tool (r = 0,08 mm, l = 15 mm, two blades)

Ti
CoCr



1,5 mm Ø 6 mm


up to 15 mm

Blades

Art.-No. 526028 1506

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

CALIBR.
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2,5 mm Ø 6 mm

Blades

Art.-No. 526024 2506

**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

**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

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

Ti
CoCr



2,0 mm Ø 6 mm

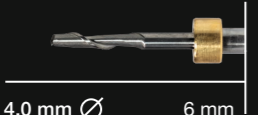
up to 15 mm

Blades

Art.-No. 526002 2006

**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

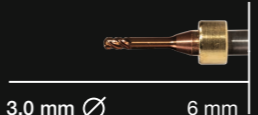
up to 30 mm

Blade

Art.-No. 526012 4006

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

CoCr
------



3,0 mm Ø 6 mm

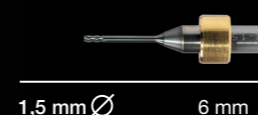
up to 15 mm

Blades

Art.-No. 526025 3006

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

UNIVERSAL
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1,5 mm Ø 6 mm

16 - 20 mm

Blades

Art.-No. 526021 1506

# CORiTEC Materials

## CORiTEC ZR (ZIRCONIUM DIOXIDE)

Covers all indications for dental restorations of up to 16 units. Ideally suited for monolithic restorations.

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

Zr ht+ Disc  
(highly translucent)



Zr Disc



Zr transpa Disc



Zr transpa Disc  
(pre-colored translucent)



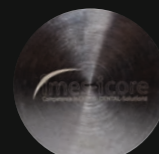
## CORiTEC ZR (ZIRCONIUM DIOXIDE)

- single crowns
- single cap
- bridges up to 16 units, full bridges, and PFM technology
- good mechanical properties
- good milling properties
- corrosion resistant

CoCr Disc  
(non-precious alloy)



CoCr Mo Disc  
(non-precious alloy)



Ti Disc  
(Grad 2, Grad 4, Grad 5)



## CORiTEC MODEL DISC IVORY

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



## JUVORA PEEK (POLYETHERETHERKETONE)

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



## CORiTEC WAX DISC (WAX, GRAY)

CORiTEC Wax Disc is not suitable for intraoral application. After milling, the material can be used as lost wax. Moulds can be used in casting technology. It can be milled easily and combusted residue-free.



## CORiTEC PMMA (POLYMETHYL METHACRYLATE)

- bite guards, therapeutic splints, drilling templates, bite regulators
- very good mechanical properties
- aesthetic shade effect due to high translucency
- good milling behaviour

PMMA Splint Disc



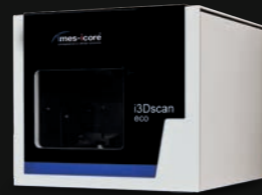
PMMA Disc



# Scanner COMPATIBLE WITH **exocad**

## CORiTEC i3Dscan eco

- all-round carefree package for newcomers or small laboratories
- simple, fast, low-priced
- very compact design



## CORiTEC i3Dscan color

- the object to be scanned is automatically guided into the measuring field
- modern touch control 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

- 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“



# Machine tables

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

Machine Table T1	Machine Table T2
30.3 x 36.6 x 31.1 inch 770 x 930 x 790 mm W x H x D	41.7 x 36.6 x 31.1 inch 1060 x 930 x 790 mm W x H x D
CORiTEC 350i CORiTEC 350i PRO CORiTEC 350i PRO+	CORiTEC 350i Loader CORiTEC 350i Loader PRO CORiTEC 350i Loader PRO+

MACHINE TABLE T1



MACHINE TABLE T2



# Suction systems

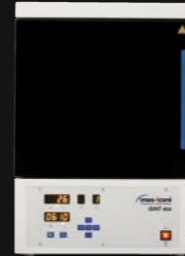
	iVAC eco+	iVAC silent PRO	iVAC PRO+
Volume flow	260m³/hr	240 m³/hr	280m³/hr
Output	1200 W	1610 W	1200 W
Filter system	dust drawer, HEPA filter	Teflon filter cartridge, automatic cleaning feature	Teflon filter cartridge, automatic cleaning feature
Filter volume	25 liters/94.63 gpm	8 liters/30.28 gpm	15 liters/56.78 gpm
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	115 V/230 V	115 V/230 V	115 V/230 V



# Sintering Furnaces

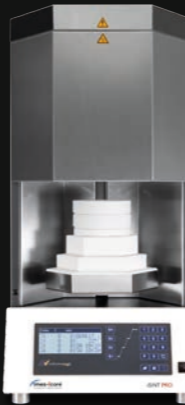
## iSINT eco

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

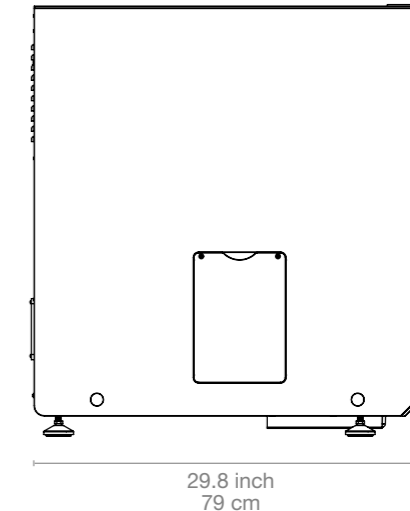
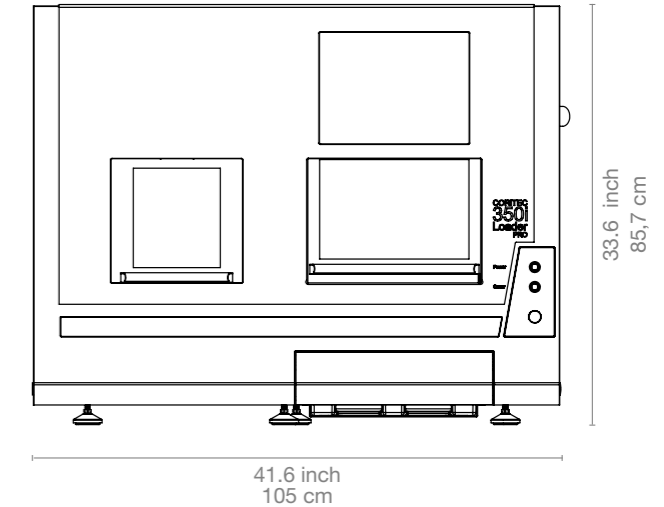
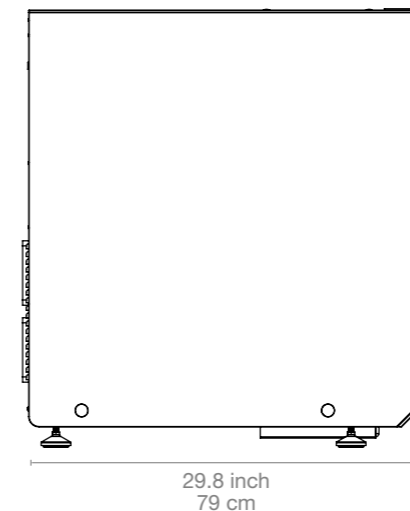
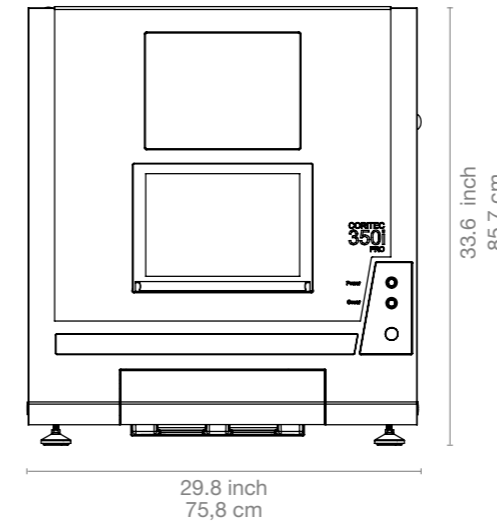
A larger sintering capacity of up to 80 single crowns is offered by the new **iSINT PRO**. With a heating system with four high-quality molybdenum disilicide (MoSi<sub>2</sub>) heating elements, you can choose between conventional long-term sintering or SPEED sintering at a rate of up to 99 °C/min/210.20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



	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

# Dimensions

## CORiTEC 350i series



# CORiTEC 350i series in numbers

	CORiTEC 350i	CORiTEC 350i Loader	CORiTEC 350i PRO	CORiTEC 350i Loader PRO	CORiTEC 350i PRO <sup>+</sup>	CORiTEC 350i Loader PRO <sup>+</sup>
<b>mechanics / electronics</b>						
base structure	steel/aluminum	steel/aluminum	polymer concrete	polymer concrete	polymer concrete	polymer concrete
number of axes and operation type	5 axes, simultaneous machining	5 axes, simultaneous machining	5 axes, simultaneous machining	5 axes, simultaneous machining	5 axes, simultaneous machining	5 axes, simultaneous machining
rotation angle	A-axis 360°, B-axis 115°	A-axis 360°, B-axis 115°	A-axis 360°, B-axis 115°	A-axis 360°, B-axis 115°	A-axis 360°, B-axis 115°	A-axis 360°, B-axis 115°
spindle	high-frequency spindle	high-frequency spindle	high-frequency spindle	high-frequency spindle	high-frequency spindle	high-frequency spindle
maximum spindle speed / spindle power	60.000 rpm 1.0 kW	60.000 rpm 1.0 kW	60.000 rpm 1.0 kW	60.000 rpm 1.0 kW	60.000 rpm 2.6 kW	60.000 rpm 2.6 kW
spindle cooling	air cooled	air cooled	air cooled	air cooled	water cooled	water cooled
zero point clamping system	optional	Yes	Yes	Yes	Yes	Yes
blankchanger	-	up to 12 blanks	-	up to 12 blanks	-	up to 12 blanks with stainless steel holder
tools	milling and grinding tools with 6 mm shaft	milling and grinding tools with 6 mm shaft	milling and grinding tools with 6 mm shaft	milling and grinding tools with 6 mm shaft	milling and grinding tools with 6 mm shaft	milling and grinding tools with 6 mm shaft
tool changer	20-times	20-times	20-times	20-times	20-times	20-times
tool length control	≤ 0.002 mm precision	≤ 0.002 mm precision	≤ 0.002 mm precision	≤ 0.002 mm precision	≤ 0.002 mm precision	≤ 0.002 mm precision
integrated PC	Windows based	Windows based	Windows based	Windows based	Windows based	Windows based
monitor	integrated 12" touchscreen	integrated 12" touchscreen	integrated 15" touchscreen	integrated 15" touchscreen	integrated 15" touchscreen	integrated 15" touchscreen
illumination	3 LED status colors / LED illumination	3 LED status colors / LED illumination	3 LED status colors / LED illumination	3 LED status colors / LED illumination	3 LED status colors / LED illumination	3 LED status colors / LED illumination
software	Remote DENTAL 3.0	Remote DENTAL 3.0	Remote DENTAL 3.0	Remote DENTAL 3.0	Remote DENTAL 3.0	Remote DENTAL 3.0
air pressure	6.5 - 9 bar/94.27 - 130.53 PSI constantly supply, 80 liters/min/302.80 gpm/min	6.5 - 9 bar/94.27 - 130.53 PSI constantly supply, 80 liters/min/302.80 gpm/min	6.5 - 9 bar/94.27 - 130.53 PSI constantly supply, 80 liters/min/302.80 gpm/min	6.5 - 9 bar/94.27 - 130.53 PSI constantly supply, 80 liters/min/302.80 gpm/min	6.5 - 9 bar/94.27 - 130.53 PSI constantly supply, 80 liters/min/302.80 gpm/min	6.5 - 9 bar/94.27 - 130.53 PSI constantly supply, 80 liters/min/302.80 gpm/min
cooling liquid	4.8 liters/18.17 gpm integrated	4.8 liters/18.17 gpm integrated	4.8 liters/18.17 gpm integrated	4.8 liters/18.17 gpm integrated	4.8 liters/18.17 gpm integrated	4.8 liters/18.17 gpm integrated
<b>connecting requirements</b>						
weight	180 kg / 396.90 lbs	225 kg / 496.13 lbs	205 kg / 452.03 lbs	250 kg / 551.25 lbs	210 kg / 463.05 lbs	255 kg / 562.27 lbs
width x depth x height	29.8 x 31.1 x 33.7 inch 758 x 790 x 857 mm	46.6 x 31.1 x 33.7 inch 1058 x 790 x 857 mm	29.8 x 31.1 x 33.7 inch 758 x 790 x 857 mm	46.6 x 31.1 x 33.7 inch 1058 x 790 x 857 mm	29.8 x 31.1 x 33.7 inch 758 x 790 x 857 mm	46.6 x 31.1 x 33.7 inch 1058 x 790 x 857 mm
line voltage / frequency	100 V - 240 V / 50/60 Hz	100 V - 240 V / 50/60 Hz	100 V - 240 V / 50/60 Hz	100 V - 240 V / 50/60 Hz	110 V - 50/60 Hz 230 V - 50/60 Hz	110 V - 50/60 Hz 230 V - 50/60 Hz



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