



imes-icore[®]
Dental & Medical Solutions



CORiTEC[®] 250i PRO series

CORiTEC® 250i PRO series


WHAT ARE THE DIFFERENCES?



CORiTEC
250i PRO+



CORiTEC
250i Loader PRO

Motor technology	Stepper motor technology	
Base structure	Cast aluminum	
Display	10.1" full HD touch screen	
Housing	Glossy design, LED lighting	
Fully automatic Tool changer	10-fold	16-fold
Tool shank	6 mm	3 mm
Fully automatic workpiece changer	-	 7-fold
Blank holder included	1	7
Spindle power	1.0 kW	750 W
Spindle bearing	Two hybrid bearings	
Collet	6 mm	3 mm
Spindle cooling	Air cooled	
Spindle speed	60.000 rpm	100.000 rpm



MAXIMUM
flexibility,
application diversity
and stability!

The features...

ION
2-fold ionizer

A/B
Auto-calibration

Water & Spark
Automated cleaning function

Adapter
Adapter variety

Metal
Metal processing

POWERFUL AND FLEXIBLE IN THE SMALLEST OF SPACES – THE CORITEC 250i PRO+. THE POWER PACKAGE WITH A SMALL FOOTPRINT.



The compact 5-axis milling machine is equipped with a powerful 1 kW high-frequency milling spindle and impresses with its smooth running. The solid base construction made of a cast aluminum monoblock ensures low-vibration movements. The optimally tuned axis drives operate almost vibration-free, so that excellent production results are achieved. The CORITEC 250i PRO+ is very well suited for the demanding machining of metal blanks. However, all other materials of common dental restorations can be professionally milled as well. The combination of milling spindle and milling tools is optimized for high demands on material and precision: The fully automatic changing station accommodates 10 tools with 6 mm shafts. The tool magazine can be exchanged as a whole unit with a differently equipped one in a few steps.

PUSHING THE LIMITS: THERE ARE NO LIMITATIONS TO THE VARIETY OF MATERIALS AND APPLICATIONS.



The CORITEC 250i PRO+ is a milling machine that impresses with its perfect ratio of automation level, power and space requirements. This applies to all important dental materials in wet and dry processing. Built-in temperature compensation ensures consistent precision in continuous operation, even with hard materials. Even with hard materials. Integrated auto-calibration guarantees high machine precision and optimum quality of the milling operation. An automated cleaning function not only keeps the system looking good, but also ensures safe and easy handling in addition to precision and endurance.

The system is controlled via the integrated SmartControl™ software solution. The system can be operated intuitively via the built-in full-HD touch display.



CORiTEC® 250i PRO⁺

HUGE FLEXIBILITY AT THE HIGHEST TECHNICAL LEVEL

The perfect symbiosis of highly stable as well as low-vibration mono-block cast frame, optimally coordinated drives and the high-performance spindle allow perfect machining of metal blanks for the first time in this compact machine segment. In addition to excellent production quality, the CORiTEC 250i PRO⁺ impresses with maximum application range and an attractive price-performance ratio.

This milling system is equipped with a fully automatic 10-position tool changer for tools with a 6 mm shaft. Intuitive operation of the machine through integrated full-HD touch display as well as the latest generation of SmartControl software complete the intelligent all-in-one package.



approx. 23.3 inch / 59.1 cm



WET

DRY

5 AX

6 mm

10x



ION

CORiTEC® 250i PRO+

HIGHLIGHTS

- New type of closed mono-block cast frame
- 10-fold tool changer
- Tool magazine interchangeable
- Wet and dry machining possible
- Control PC and touch screen integrated
- 2-fold ionizer integrated
- High precision due to integrated temperature compensation
- Powerful high frequency spindle
- Minimal footprint
- Auto-calibration
- Automated cleaning function



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

The features...

ION
2-fold ionizer

A/B
Auto-calibration

Water & Spark
Automated cleaning function

Adapters
Adapter variety

Hand
Prefabricated Abutments

WITH FOCUS ON FLEXIBILITY, THE CORITEC 250i Loader PRO SHOWS ITS STRENGTHS.



The fully automated 7-fold blank changer makes it possible to process multiple restorations successively without any delay. At the same time the system processes every restoration with the maximum precision. Thanks to the modular design of the blank changer it is also possible, to change the blank magazine with another new magazine easily.

The CORITEC 250i Loader PRO is the perfect system for every dental technician who wants to work more independent. To support the idea of flexible working even more, the system comes with an integrated and fully-automated 16-fold tool changer. This feature saves a lot of time and grants the operator a maximum of flexibility. Just like the blank changer, the tool changer was also built modular. That means that it can also be easily and quickly exchanged with another tool magazine.

AUTOMATION IN THE SMALLEST SPACE – THERE IS NO OTHER SYSTEM THAT IMPLEMENTS THIS REQUIREMENT SO EFFECTIVELY.



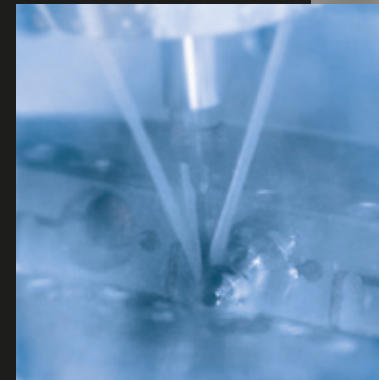
Another highlight of the system is the powerful spindle. With an output of 750 watt and up to 100.000 rpm, the high-frequency spindle offers the best ratio of performance, speed and precision. A quality which can be felt with every restoration.

No matter which material will be used, the CORITEC 250i Loader PRO processes every restoration with the fastest speed and highest precision. Zirconium dioxide and plastics can be easily milled as well as the grinding of glass ceramics and prefabricated abutments of metal are possible. This system guarantees the operator a maximum of flexibility and automation for the main used dental materials.



CORiTEC® 250i Loader PRO

The compact 5-axis milling machine opens up a completely new machine segment at an attractive price-performance ratio. It offers automation and 5-axis simultaneous machining of circular blanks and blocks in the smallest space. The milling system is equipped with a fully automatic 16-fold tool magazine with 3 mm milling tools and an integrated touch-screen monitor, which facilitates an intuitive operation in conjunction with the new SmartControl™ software. The fully automatic 7-fold blank changer offers the possibility to process all common materials of the dental industry, an automated production is therefore feasible. The CORiTEC 250i Loader PRO is the perfect solution for technicians who want to create their daily work more independent!



- WET
- DRY
- 5 AX
- 3 mm
16x
- 7x
- ION

CORiTEC® 250i Loader PRO

HIGHLIGHTS

- Novel, closed mono-block cast frame
- 7-fold blank changer
- 16-fold tool changer
- Blank and tool magazine exchangeable
- Wet and dry machining possible
- Control PC with touchscreen integrated
- 2-fold integrated ionizer
- Processing of prefabricated abutments
- High precision due to integrated temperature compensation
- High-frequency spindle
- Minimal footprint
- Auto-calibration
- Automated cleaning function



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

Applications & holder

MANUFACTURE OF DENTAL PROSTHESIS



HALF-OPEN BLANK HOLDER (C-CLAMP)*

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



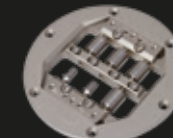
PREFABRICATED ABUTMENTS

- 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)



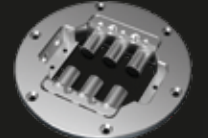
PreFace® Abutment
(Medentika)



MED-Preform® Abutment
(medentis)



ELOS premilled
Abutment System



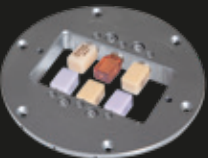
THERAPEUTIC SPLINTS

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



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.





T1/T6 - 3.0 | 6.0 mm
radius milling tool short (l = 15 mm)

T1	Ti		Blades
T6	CoCr		

3,0 mm Ø 6 mm up to 15 mm

Art.-No. 526029 3006

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

T11	PMMA		Blade
	WAX		
	PEEK		

2,5 mm Ø 6 mm up to 25 mm

Art.-No. 530004 2506

T2/T7 - 2.0 | 6.0 mm
radius milling tool short (l = 12 mm)

T2	Ti		Blades
T7	CoCr		

2,0 mm Ø 6 mm up to 15 mm

Art.-No. 526029 2006

T11/T13 - 2.5 | 6.0 mm
radius milling tool

T11	PMMA		Blades
	WAX		
	Zr		

2,5 mm Ø 6 mm up to 25 mm

Art.-No. 526019 2506

T3/T8 - 1.5 | 6.0 mm
radius milling tool short (l = 12 mm)

T3	Ti		Blades
T8	CoCr		

1,5 mm Ø 6 mm up to 15 mm

Art.-No. 526029 1506

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

T12	PMMA		Blade
	WAX		
	PEEK		

1,0 mm Ø 6 mm up to 25 mm

Art.-No. 530004 1006

T4/T9 - 1.0 | 6.0 mm
radius milling tool short (l = 9 mm)

T4	Ti		Blades
T9	CoCr		

1,0 mm Ø 6 mm up to 15 mm

Art.-No. 526029 1006

T12/T14 - 1.0 | 6.0 mm
radius milling tool

T12	PMMA		Blades
	WAX		
	Zr		

1,0 mm Ø 6 mm up to 25 mm

Art.-No. 526019 1006

T5/T10 - 1.5 | 6.0 mm
shaft milling tool short (l = 12 mm, four blades)

T5	Ti		Blades
T10	CoCr		

1,5 mm Ø 6 mm up to 15 mm

Art.-No. 526002 1506

T13/T40/T50 - 2.5 | 6.0 mm
radius milling tool (diamond coated)

T13	Zr		Blades
T40	SINT		
T50	COMP		

2,5 mm Ø 6 mm up to 25 mm

Art.-No. 526013 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

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

T26 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)

T32 PMMA
WAX
Zr

0,6 mm Ø 6 mm

up to 25 mm
Blades

Art.-No. 526012 0606

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

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

T27 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)

T33 PMMA
WAX
Zr
T43 SINT
T53 COMP

0,3 mm Ø 6 mm

up to 25 mm
Blades

Art.-No. 526019 0306

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

Blades

Art.-No. 526005 2506

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

T28 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)

T34 PMMA
WAX

3,0 mm Ø 6 mm

up to 30 mm
Blades

Art.-No. 526012 3006

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 grinding tool (diamond)

T22 glass ceramics

1,0 mm Ø 6 mm

Blades

Art.-No. 526005 1006

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

T29 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)

T35 PMMA
WAX

2,0 mm Ø 6 mm

up to 30 mm
Blades

Art.-No. 526012 2006

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 grinding tool (conical, diamond)

T23 glass ceramics

0,6 mm Ø 6 mm

Blades

Art.-No. 526005 0606

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

T30 PMMA
WAX
PEEK

4,0 mm Ø 6 mm

up to 30 mm
Blade

Art.-No. 526012 4006

T60 - 3.0 | 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 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. 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



T1/T6 - 3.0 | 3.0 mm
radius milling tool (l = 15 mm)

T1	Ti
T6	CoCr

3.0 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530029 3003

T11/T13 - 2.5 | 3.0 mm
radius milling tool

T11	PMMA
T13	WAX
T13	Zr

2.5 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 530016 2503

T16 - 1.5 | 3.0 mm
radius milling tool (l = 15 mm)

T16	PMMA
T16	WAX
T16	Zr

1.5 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530016 1503

T24 - 1.5 | 3.0 mm
radius grinding tool (diamond)

T24	glass ceramics
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1.5 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530005 1503

T2/T7 - 2.0 | 3.0 mm
radius milling tool (l = 12 mm)

T2	Ti
T7	CoCr

2.0 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530029 2003

T12 - 1.0 | 3.0 mm
radius milling tool (single blade, slide coated)

T12	PMMA
T12	WAX
T12	PEEK

1.0 mm Ø 3 mm

up to 25 mm

Blade

Art.-No. 530004 1003

T19 - 0.5 | 3.0 mm
shaft milling tool (l = 4 mm), universal

T19	UNIVERSAL
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0.5 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530001 0503

T31 - 3.0 | 3.0 mm
shaft milling tool (single blade, slide coated)

T31	PMMA
T31	WAX
T31	Zr

3.0 mm Ø 3 mm

up to 30 mm

Blade

Art.-No. 530012 3003

T3/T8 - 1.5 | 3.0 mm
radius milling tool (l = 12 mm)

T3	Ti
T8	CoCr

1.5 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530029 1503

T12/T14 - 1.0 | 3.0 mm
radius milling tool

T12	PMMA
T14	WAX
T14	Zr

1.0 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 530016 1003

T20 - 0.6 | 3.0 mm
radius milling tool (conical)

T20	Ti
T20	CoCr

0.6 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530003 0603

T32 - 0.6 | 3.0 mm
radius milling tool long (l = 12 mm)

T32	PMMA
T32	WAX
T32	Zr

0.6 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 530012 0603

T4/T9 - 1.0 | 3.0 mm
radius milling tool (l = 9 mm)

T4	Ti
T9	CoCr

1.0 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530029 1003

T13/T40/T50 - 2.5 | 3.0 mm
radius milling tool (diamond coated)

T13	Zr
T40	SINT
T50	COMP

2.5 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 530013 2503

T21 - 2.5 | 3.0 mm
radius grinding tool (diamond)

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

2.5 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530005 2503

T33/T43/T53 - 0.3 | 3.0 mm
radius milling tool (conical)

T33	PMMA
T43	WAX
T43	Zr
T53	SINT
T53	COMP

0.3 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 530016 0303

T5/T10/T17 - 1.5 | 3.0 mm
shaft milling tool (l = 15 mm), universal

T5	Ti
T10	CoCr
T17	PMMA
T17	WAX
T17	Zr

1.5 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 530001 1503

T14/T41/T51 - 1.0 | 3.0 mm
radius milling tool (diamond coated)

T14	Zr
T41	SINT
T51	COMP

1.0 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 530013 1003

T22 - 1.0 | 3.0 mm
radius grinding tool (diamond)

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

1.0 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530005 1003

T59 - 0.6 | 3.0 mm
highspeed, 15mm

T59	CoCr
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1.5 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530031 2003

T11 - 2.5 | 3.0 mm
radius milling tool (single blade, slide coated)

T11	PMMA
T11	WAX
T11	PEEK

2.5 mm Ø 3 mm

up to 25 mm

Blade

Art.-No. 530004 2503

T15/T42/T52 - 0.6 | 3.0 mm
radius milling tool (conical)

T15	PMMA
T42	WAX
T42	Zr
T52	SINT
T52	COMP

0.6 mm Ø 3 mm

up to 25 mm

Blades

Art.-No. 526016 0603

T23 - 0.6 | 3.0 mm
radius grinding tool (conical, diamond)

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

0.6 mm Ø 3 mm

up to 15 mm

Blades

Art.-No. 530005 0603

T98 - 2.5 | 3.0 mm
shaft milling tool (l = 20 mm, three blades)

T98	CALIBR.
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2.5 mm Ø 3 mm

up to 20 mm

Blades

Art.-No. 530024 2503

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.

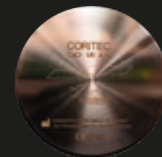
	Translucence	Strength
Multi Translucent	49-40 %	80 - 1150 MPa
High Translucent	49 %	> 650 MPa
Extra Translucent	45 %	> 1150 MPa
Translucent	40 %	> 1150 MPa
Opaque	35 %	> 1150 MPa



CORTEC NEM (NON-PRECIOUS METALS)

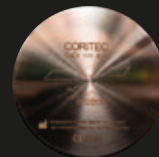
Burn-on non-precious metal dental milling alloys for the fabrication of e.g. up to 16-unit bridges, implant-supported superstructures etc.

CORTEC 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)

CORTEC 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.



CORTEC SPLINT BASIC POLYMERS

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

Available in 16 mm and 20 mm.



CORTEC 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.



CORTEC GUM PMMA DISC

For gingiva replacement, available in 25 mm.



Scan yourself to priti®multidisc
and CORTEC materials!
www.pritidenta.com



CORiTEC® SmartControl

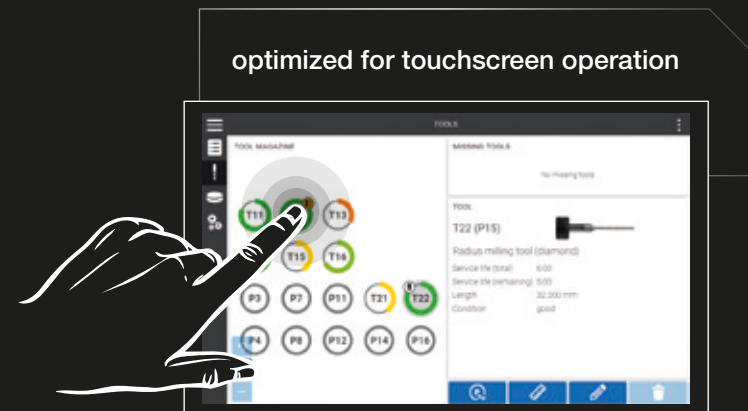
SMART CONTROL OF MACHINE SOFTWARE

SmartControl one touch ahead!

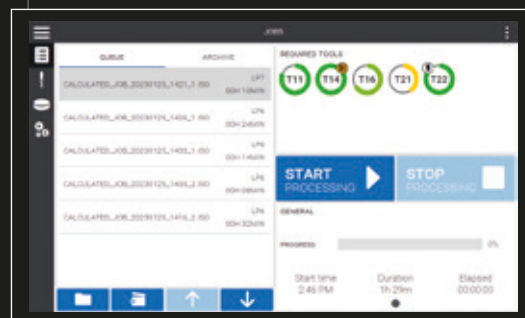
The newly developed control software SmartControl enables absolutely intuitive operation of our milling machines. From selecting the job to milling or querying the machine status; the self-explanatory and optimized handling makes it possible to start operating the machine in the shortest possible time.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

FEATURES

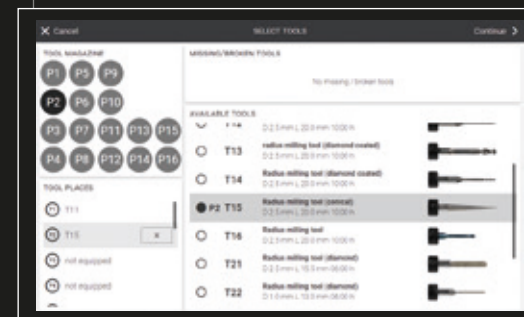
- Modern design and simple touch operation
- Intelligent selection of milling jobs
- Easy tool and material loading
- Auto-calibration of the machine
- Wizard guided cleaning and maintenance
- Connection to the Dental Smart Market (DSM)
- Multilingual program interface
- Automatic update function



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

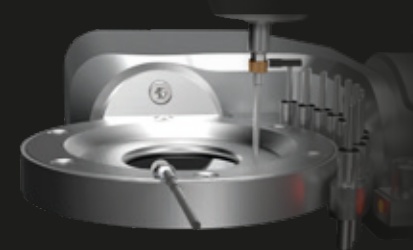
- hyperDENT based CAM software
- Flexible payment model (purchase or subscription model)



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.



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.

MASCHINENTISCH T250



Machine Table T250

790 x 900 x 580 mm
B x H x T (mm)

Suction systems

	iVAC silent PRO	iVAC eco+
Volume flow	240m ³ /hr	260m ³ /hr
Output	1610 watt	1200 watt
Filter system	Teflon filter cartridge, automatic cleaning feature	dust drawer, HEPA filter
Filter volume	8 liters / 30.28 gpm	25 liters / 94.63 gpm
W x D x H	10.6 x 21.2 x 21.1 inch 270 x 540 x 535 mm	17.3 x 18.1 x 29.5 inch 440 x 460 x 750 mm
Supply voltage	115 V/230 V	115 V /230 V



Sintering Furnaces

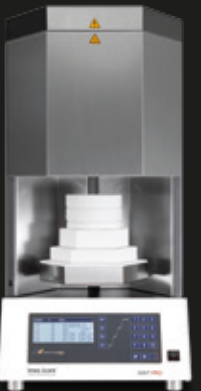
iSINT eco

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 Ø 100 mm for approx. 25 units. The door stop can be mounted at the right or left side.



iSINT PRO

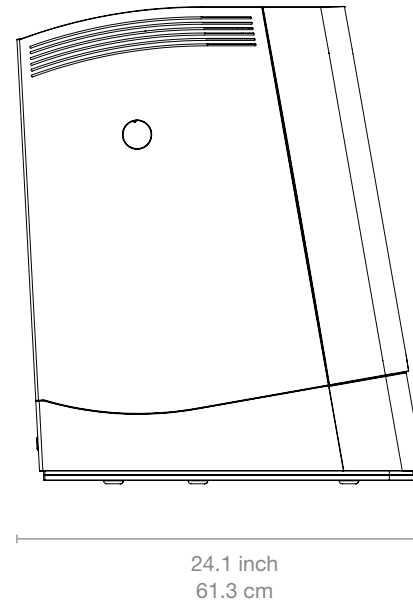
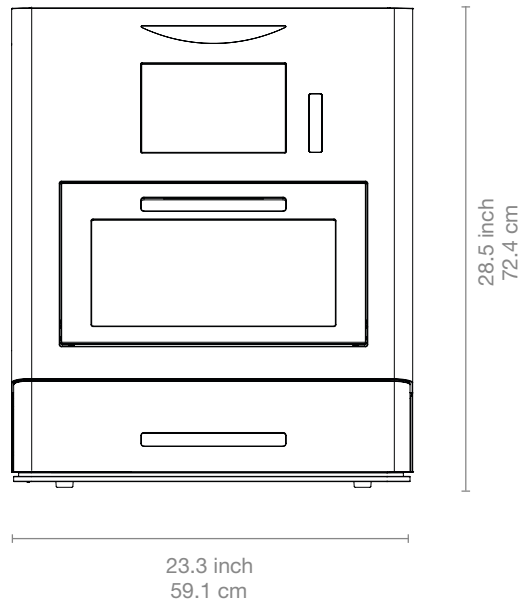
A larger sintering capacity of up to 80 single crowns is offered by the new iSINT PRO. With a heating system of four high-quality molybdenum disilicide (MoSi₂) heating elements, you can choose between conventional long-term sintering or SPEED sintering at a rate of up to 99 °C/min/ 210.20 °F/min. The 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 Watt	1720	3200
Lift function	No	Yes
Speedsintering	No	Yes

Dimensions

CORiTEC® 250i PRO+



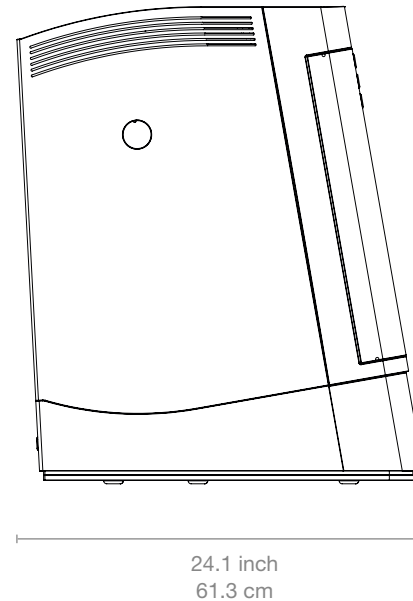
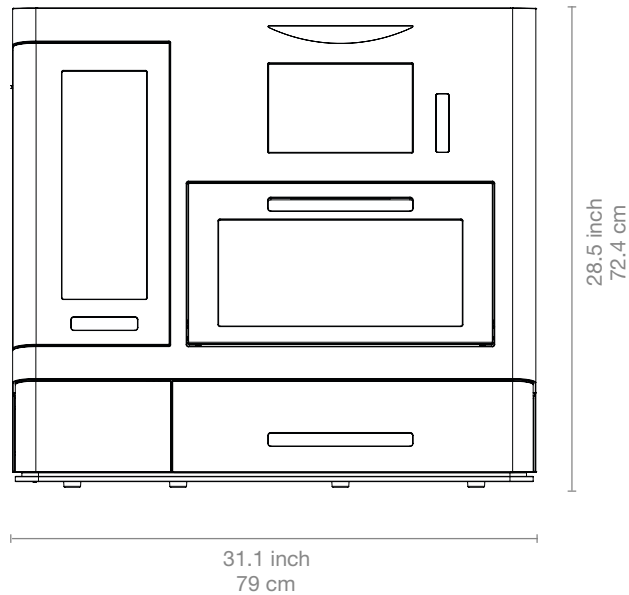
In Numbers

CORiTEC 250i PRO+

Mechanics / electronics	
Basic construction	Mono cast body, aluminium
Number of axes and operation type	5-axis, simultaneous machining
Rotation angle	A-axis 360° / B-axis up to ±30°
Spindle / power	High-frequency spindle / 1.0 kW
Maximum spindle speed	60.000 rpm
Blank changer	10-fold; magazine interchangeable
Tools	Milling and grinding tools with 6 mm shaft diameter
Tool changer integrated	-
Tool length control	≤ 0.002 mm precision
Integrated computer hardware	Windows based
Display	Control PC with 10.1" full HD touch screen integrated
Illumination	Dynamic LED illumination
Software	SmartControl™
Air pressure	7 bar/101.526 PSI constantly supply, 60 liters/min / 227.10 gpm/min
Cooling liquid	3.7 liter / 0.98 gal (US) integrated
Connecting requirements	
Weight	95 kg / 209.4 lbs
Width x depth x height	23.3 x 24.1 x 28.5 inch / 591 x 613 x 724 mm
Line voltage / frequency	100 V - 240 V / 50/60 Hz

Dimensions

CORiTEC® 250i Loader PRO



In Numbers

CORiTEC 250i Loader PRO

Mechanics / electronics	
Basic construction	Mono cast body, aluminium
Number of axes and operation type	5-axis, simultaneous machining
Rotation angle	A-axis 360° / B-axis up to ±30°
Spindle / power	High-frequency spindle / 750 watt
Maximum spindle speed	100.000 rpm
Blank changer	7-fold; magazine interchangeable
Tools	Milling and grinding tools with 3 mm shaft diameter
Tool changer integrated	16-fold, magazine interchangeable
Tool length control	≤ 0.002 mm precision
Integrated computer hardware	Windows based
Display	Control PC with 10.1" full HD touch screen integrated
Illumination	Dynamic LED illumination
Software	SmartControl™
Air pressure	7 bar/101.526 PSI constantly supply, 60 liters/min / 227.10 gpm/min
Cooling liquid	3.7 liter / 18.17 gpm integrated
Connecting requirements	
Weight	112 kg / 209.47 lbs
Width x depth x height	31.1 x 24.1 x 28.5 inch / 790 x 613 x 724 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 2002 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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