imes-icore®
Competence in CNC & DENTAL-Solutions

CORiTEC 150i series

CORiTEC 150i PRO

COMPACT SYSTEM FOR BLANK– AND BLOCK PROCESSING

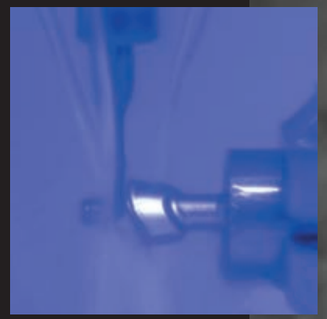
The extremely stable design of the mono-block cast body enables precise machining in round blank and block form. The machine‘s small dimensions and 5-axis simultaneous technology offer a unique ratio of machine size and functionality. Convince yourself of the CORiTEC 150i performance for your laboratory!

Available in three versions:

CORiTEC 150i dry
external PC / Notebook required

CORiTEC 150i
external PC / Notebook required
Incl. blank & tools rack

CORiTEC 150i PRO
Integrated PC / touch screen

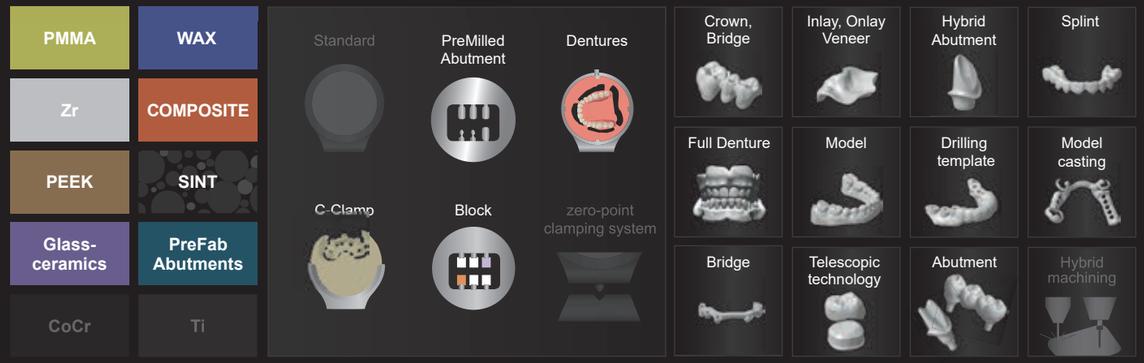


WET
DRY
5 AX
3 mm
6x
ION
optional

CORiTEC 150i PRO

HIGHLIGHTS

- novel, closed mono-block cast body for stability and precision
- no external PC required
- half-open blank holder as standard (C-Clamp)
- Ionizer optionally available
- high precision due to integrated temperature compensation
- wet and dry machining possible
- no external compressed air required
- short amortization period
- minimal footprint



MAX PERFORMANCE

for your dental lab

Applications & holders

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

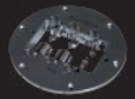
PREFABRICATED ABUTMENTS

- short production times
- production of abutments in very simple processes
- high accuracy of fit due to prefabricated implant interface

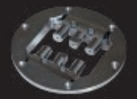
DESS Abutmentholder

NT-Preform® Abutment (nt-trading)

PreFace® Abutment (Medentika)



DDSoldiConnect® (Dental Direkt)



THERAPEUTIC SPLINTS

- bite splints, bleaching splints
- snoring splints, sligners
- 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.

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)
- allergy-free and lightweight model casting when using PEEK
- cost-efficient

CORiTEC 150i TOOLS

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

T1 / T6: Ti / CoCr

3,0 mm ∅ 3 mm

up to 15 mm

Blades

Art.-No. 526018 3003

T11/T13 - 2.5 l 3.0 mm
radius milling tool

T11: PMMA / WAX
T13: Zr

2,5 mm ∅ 3 mm

up to 25 mm

Blades

Art.-No. 526016 2503

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

T2 / T7: Ti / CoCr

2,0 mm ∅ 3 mm

up to 15 mm

Blades

Art.-No. 526018 2003

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

T12: PMMA / WAX / PEEK

1,0 mm ∅ 3 mm

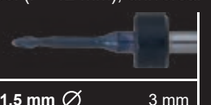
up to 25 mm

Blade

Art.-No. 526004 1003c

T3/T8/T16 - 1.5 l 3.0 mm
radius milling tool (l = 12 mm), universal

T3 / T8 / T16: UNIVERSAL



1,5 mm ∅ 3 mm

up to 15 mm

Blades

Art.-No. 526026 1503

T12/T14 - 1.0 l 3.0 mm
radius milling tool

T12: PMMA / WAX
T14: Zr

1,0 mm ∅ 3 mm

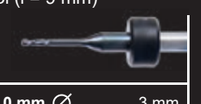
up to 25 mm

Blades

Art.-No. 526016 1003

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

T4 / T9: Ti / CoCr



1,0 mm ∅ 3 mm

up to 15 mm

Blades

Art.-No. 526018 1003

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

T13: Zr
T40: SINT
T50: COMP

2,5 mm ∅ 3 mm

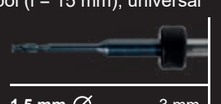
up to 25 mm

Blades

Art.-No. 526013 2503

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

T5 / T10: Ti / CoCr
T17: PMMA / WAX / Zr



1,5 mm ∅ 3 mm

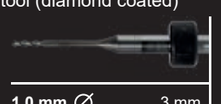
up to 25 mm

Blades

Art.-No. 526001 1503

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

T14: Zr
T41: SINT
T51: COMP



1,0 mm ∅ 3 mm

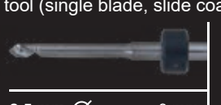
up to 25 mm

Blades

Art.-No. 526013 1003

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

T11: PMMA / WAX / PEEK



2,5 mm ∅ 3 mm

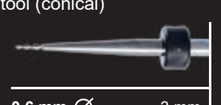
up to 25 mm

Blade

Art.-No. 526004 2503c

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

T15: PMMA / WAX / Zr
T42 / T52: SINT / COMP



0,6 mm ∅ 3 mm

up to 25 mm

Blades

Art.-No. 526016 0603

T19 - 0,5 l 3.0 mm
shaft milling tool (l = 4 mm), universal

T19: UNIVERSAL

0,5 mm ∅ 3 mm

up to 15 mm

Blades

Art.-No. 526001 0503

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

T31: PMMA / WAX / Zr

3,0 mm ∅ 3 mm

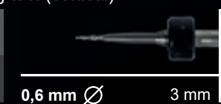
up to 30 mm

Blade

Art.-No. 526012 3003

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

T20: Ti / CoCr



0,6 mm ∅ 3 mm

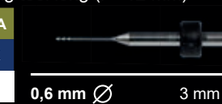
up to 15 mm

Blades

Art.-No. 526003 0603

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

T32: PMMA / WAX / Zr



0,6 mm ∅ 3 mm

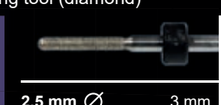
up to 25 mm

Blades

Art.-No. 526012 0603

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

T21: glass ceramics



2,5 mm ∅ 3 mm

Art.-No. 526005 2503

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

T33: PMMA / WAX / Zr
T43 / T53: SINT / COMP

0,3 mm ∅ 3 mm

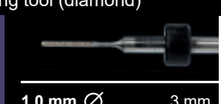
up to 25 mm

Blades

Art.-No. 526016 0303

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

T22: glass ceramics

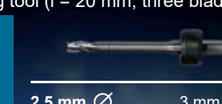


1,0 mm ∅ 3 mm

Art.-No. 526005 1003

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

T98: CALIBR.



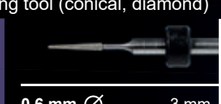
2,5 mm ∅ 3 mm

Blades

Art.-No. 526024 2503

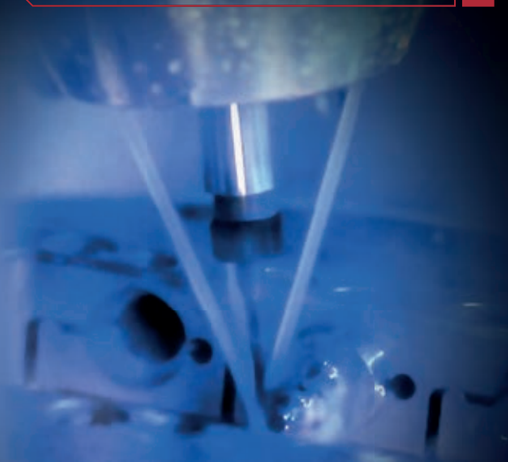
T23 - 0.6 l 3.0 mm
radius grinding tool (conical, diamond)

T23: glass ceramics



0,6 mm ∅ 3 mm

Art.-No. 526005 0603



CORiTEC 150i TOOLS

CORiTEC Materials

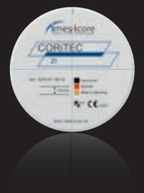
CORiTEC ZR (ZIRCONIUM DIOXIDE)

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

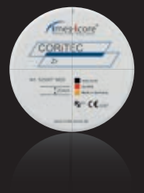
Zr ht+ Disc (highly translucent)

Zr Disc



Zr transpa Disc

Zr transpa Disc (pre-colored translucent)



CORiTEC 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

CORiTEC smart control™

SMART CONTROL OF MACHINE SOFTWARE

smart control™ one touch ahead!

The newly developed control software „smart control™“ 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 – benefit from the smart time savings for your workflow!

FEATURES

- modern touch control design
- straightforward operation with intuitive graphical interface
- high end performance for imes-icore® machines
- remote monitoring
- job management with 3D preview
- 3D simulation for monitoring

optimized for touchscreen operation

automated transfer of information from the CAM software

ideal tool management

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

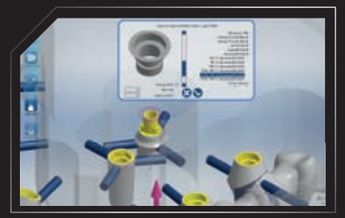
CAM software

CORiTEC iCAM V4.7

- all strategies optimized for 5-axis simultaneous machining
- 64-bit multi-core support
- no annual license fees
- validated post-processors for all imes-icore® CORiTEC machines

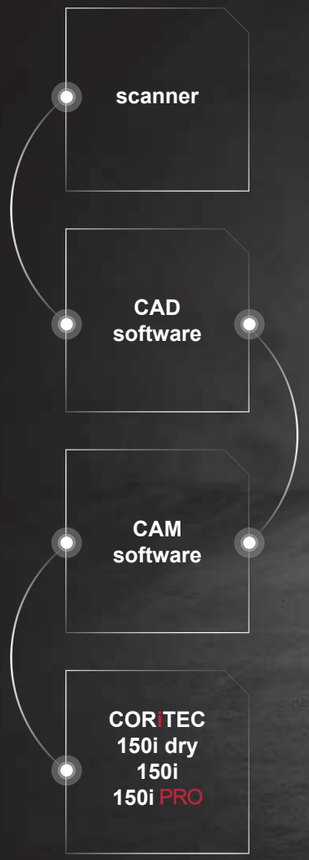
CORiTEC iCAM V5

- 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“



Full integrated workflow

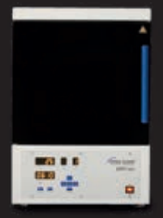
OPEN TO ALL COMMON SCANNERS



Sintering Furnaces

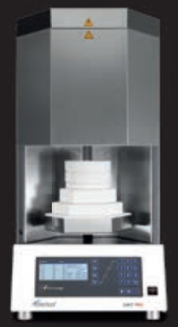
iSINT eco

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 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/minute. 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 in °C/min	30	99
Power in W	1720	3200
Lift function	No	Yes
Speedsintering	No	Yes

Suction system

iVAC silent

The system is equipped with a teflon filter catridge, automatic filter cleaning and a dust drawer. With the suction power of 160m³/h the iVAC silent is perfectly suited for your CORiTEC one and is even stowable in the optional machine table.

iVAC silent	
airflow	160 m³/hr
power	490 W
filter system	Teflon filter cartridge - automatic cleaning feature
filter volume	2,6 liters (dust drawer)
width x depth x height	9.6 x 19.6 x 17.3 inch / 245 x 500 x 440 mm
supply voltage	230 V
special features	quiet running, very compact, self-cleaning by vibration

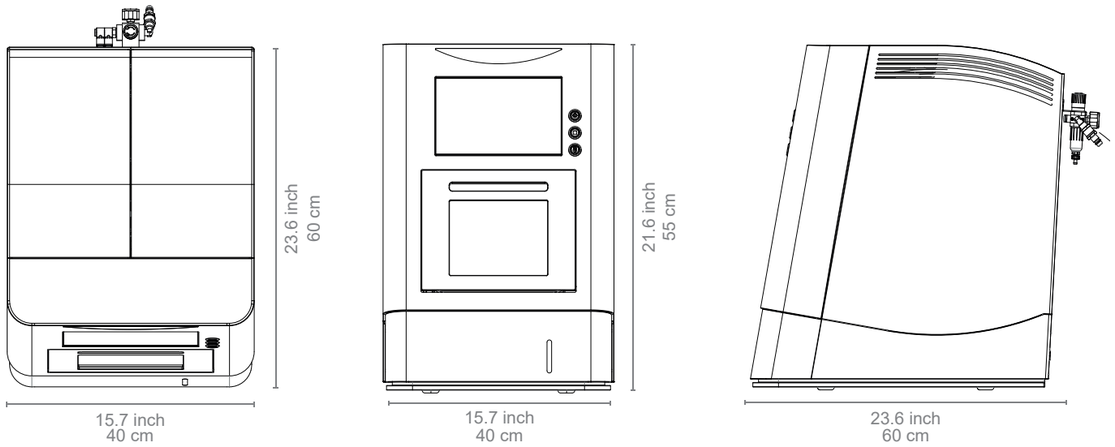
Machine table

MACHINE TABLE T0

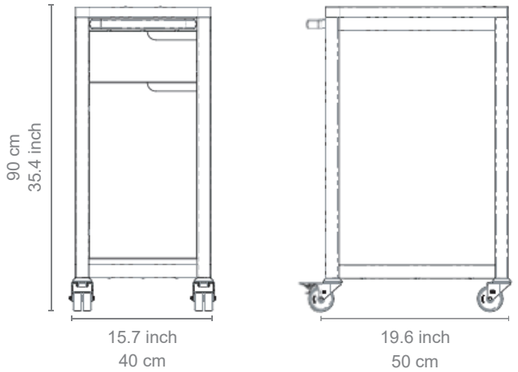
The machine table T0 is exactly adapted to the CORiTEC 150i series by its dimensions 400 x 540 x 900 mm (W x D x H).

Dimensions

CORiTEC 150i series



Machine table T0



In numbers

mechanics / electronics	
number of axes and operation type	5 axes, simultaneous processing
rotation angle	A-axis 360°, B-axis ± 30°
spindle / power	high-frequency spindle / 0,75 kW
maximum spindle speed	100.000 rpm
tools	milling and grinding tools with 3 mm tool shaft
tool changer	6-fold
tool length control	≤ 0.002 mm precision
integrated PC	Windows based
monitor	integrated 10“ touch screen (PRO)
illumination	3 LED status colors
software	smart control™ integrated CNC software
air pressure	only 6 bars needed, optional air pressure pump integrated
cooling liquid	3 liter integrated
connecting requirements	
weight	70 kg
width x depth x height	15.7 x 21.6 x 23.8 inch / 400 x 550 x 605 mm
line voltage / frequency	100 V - 240 V / 50/60 Hz

Sales and support partner worldwide

Represented for you in over 100 countries.

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

With your 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.

imes-icore® GmbH
Fon +49 (0) 66 72/898 228
Fax +49 (0) 66 72/898 222
dental@imes-icore.de