imes-icore®
competence in dental solutions

COR**i**TEC 150i series

WET

DRY

5 AX

3 mm
6x

ION
optional

CORiTEC 150i PRO

COMPACT SYSTEM FOR
BLANK– AND BLOCK PROCESSING

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

Available in three versions:

approx. 15 inch / 40 cm

CORiTEC 150i dry
external PC/Notebook
required

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

CORiTEC 150i PRO
Integrated PC/touch screen

ERGONOMIC
HANDLING
simple graphical
touchscreen operation

EASY CLEANING
fully coated
enclosed wet cell

HALF-OPEN
BLANK HOLDER
AS STANDARD
EQUIPMENT

POWERFUL PERFORMANCE
high end spindle for milling
and grinding work up to
100.000 rpm

WET AND DRY
PROCESSING POSSIBLE

INTEGRATED
WATER SUPPLY
AND FILTRATION

INTEGRATED
TEMPERATURE COMPENSATION

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

PMMA	WAX
Zr	COMPOSITE
PEEK	SINT
Glass-ceramics	PreFab Abutments
CoCr	Ti

Standard

PreMilled Abutment

Dentures

Crown, Bridge

Inlay, Onlay Veneer

Hybrid Abutment

Splint

Full Denture

Model

Drilling template

Model casting

C-Clamp

Block

zero-point clamping system

Bridge

Telescopic technology

Abutment

Hybrid machining

for your
dental lab

Applications & holders

HALF-OPEN BLANK HOLDER (C-CLAMP)

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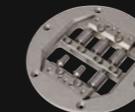- extension of the technical possibilities of your milling machine

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)

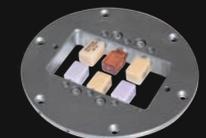DDSoldiConnect®
(Dental Direkt)

THERAPEUTIC SPLINTS

- bite splints, bleaching splints
- snoring splints, 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.

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

T1/T6 - 3.0 l 3.0 mm
radius milling tool (l = 15 mm)
- T1 Ti
- T6 CoCr
- 3.0 mm Ø — 3 mm — Blades — up to 15 mm
- Art.-No. 526018 3003

T11/T13 - 2.5 l 3.0 mm
radius milling tool
- T11 PMMA / WAX
- T13 Zr
- 2.5 mm Ø — 3 mm — Blades — up to 25 mm
- Art.-No. 526016 2503

T2/T7 - 2.0 l 3.0 mm
radius milling tool (l = 12 mm)
- T2 Ti
- T7 CoCr
- 2.0 mm Ø — 3 mm — Blades — up to 15 mm
- 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 Ø — 3 mm — Blade — up to 25 mm
- 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 Ø — 3 mm — Blades — up to 15 mm
- Art.-No. 526026 1503

T12/T14 - 1.0 l 3.0 mm
radius milling tool
- T12 PMMA / WAX
- T14 Zr
- 1.0 mm Ø — 3 mm — Blades — up to 25 mm
- Art.-No. 526016 1003

T4/T9 - 1.0 l 3.0 mm
radius milling tool (l = 9 mm)
- T4 Ti
- T9 CoCr
- 1.0 mm Ø — 3 mm — Blades — up to 15 mm
- 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 Ø — 3 mm — Blades — up to 25 mm
- Art.-No. 526013 2503

T5/T10/T17 - 1.5 l 3.0 mm
shaft milling tool (l = 15 mm), universal
- T5 Ti
- T10 CoCr / PMMA
- T17 WAX / Zr
- 1.5 mm Ø — 3 mm — Blades — up to 25 mm
- 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 Ø — 3 mm — Blades — up to 25 mm
- 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 Ø — 3 mm — Blade — up to 25 mm
- Art.-No. 526004 2503c

T15/T42/T52 - 0.6 l 3.0 mm
radius milling tool (conical)
- T15 PMMA / WAX / Zr
- T42 SINT
- T52 COMP
- 0.6 mm Ø — 3 mm — Blades — up to 25 mm
- Art.-No. 526016 0603

T19 - 0,5 l 3.0 mm
shaft milling tool (l = 4 mm), universal
- T19 UNIVERSAL
- 0.5 mm Ø — 3 mm — Blades — up to 15 mm
- 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 Ø — 3 mm — Blade — up to 30 mm
- Art.-No. 526012 3003

T20 - 0.6 l 3.0 mm
radius milling tool (conical)
- T20 Ti / CoCr
- 0.6 mm Ø — 3 mm — Blades — up to 15 mm
- 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 Ø — 3 mm — Blades — up to 25 mm
- Art.-No. 526012 0603

T21 - 2.5 l 3.0 mm
radius grinding tool (diamond)
- T21 glass ceramics
- 2.5 mm Ø — 3 mm
- Art.-No. 526005 2503

T33/T43/T53 - 0.3 l 3.0 mm
radius milling tool (conical)
- T33 PMMA / WAX / Zr
- T43 SINT
- T53 COMP
- 0.3 mm Ø — 3 mm — Blades — up to 25 mm
- Art.-No. 526016 0303

T22 - 1.0 l 3.0 mm
radius grinding tool (diamond)
- T22 glass ceramics
- 1.0 mm Ø — 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 Ø — 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 Ø — 3 mm
- Art.-No. 526005 0603

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 aesthetics
- 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
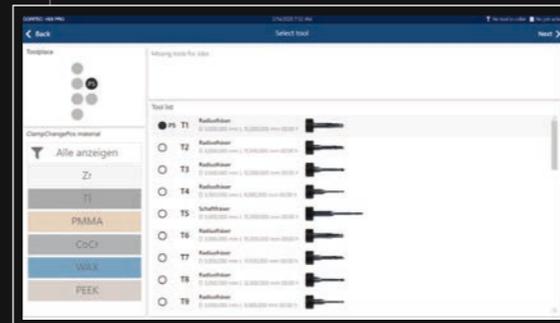- 3D simulation for monitoring

optimized for touchscreen operation
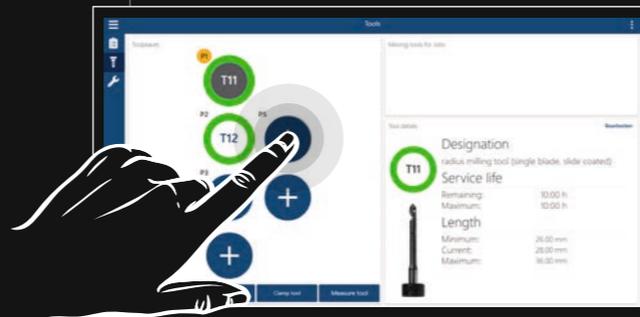
automated transfer of information from the CAM software

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

scanner

CAD software

CAM software

CORiTEC
150i dry
150i
150i PRO

VERSATILE IN
all cases
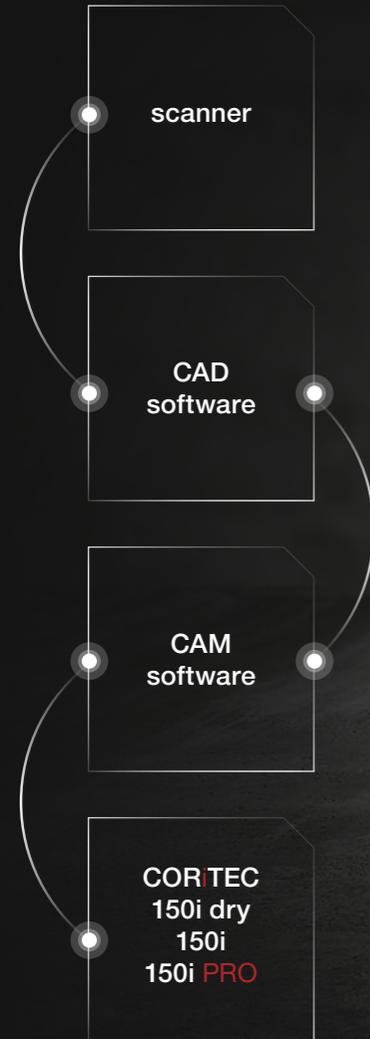
Sintering furnaces

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 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/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	1300	3200
Lift function	No	Yes
Speedsintering	No	Yes

Suction system

iVAC silent & iVAC silent PRO

The system is equipped with a teflon filter catridge, automatic filter cleaning and a dust drawer. With the suction power of 160m^3/h the iVAC silent is perfectly suited for your CORiTEC one and is even stowable in the optional machine table.

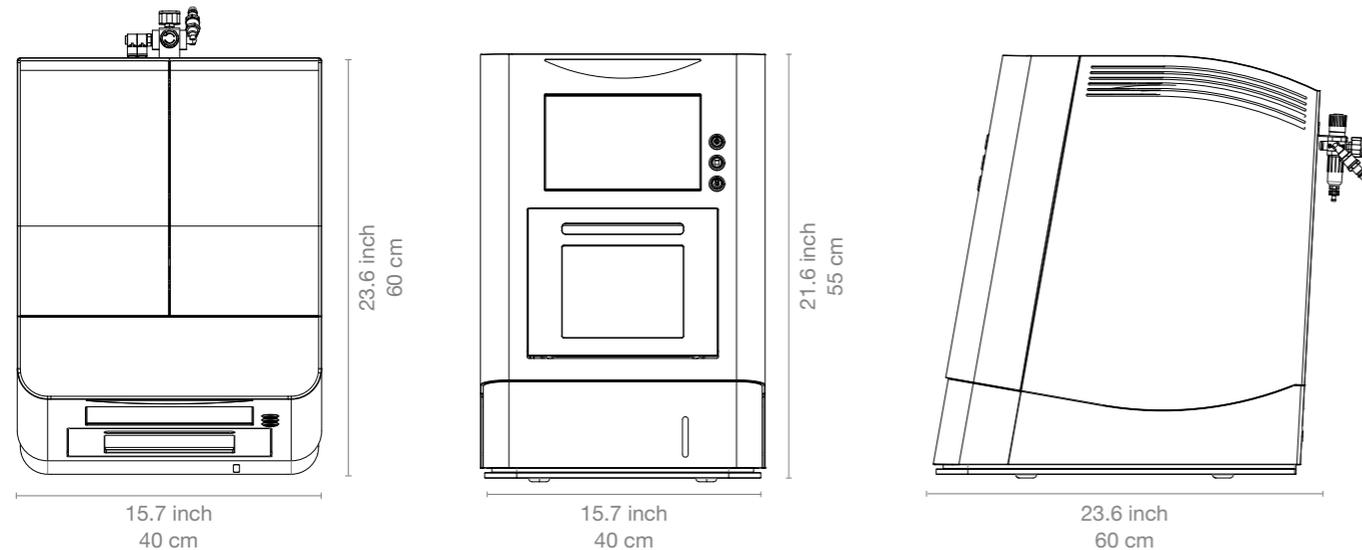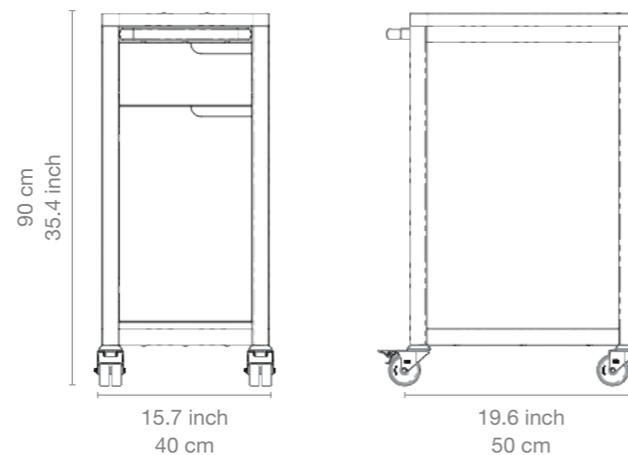|	iVAC silent	iVAC silent PRO
airflow	160 m^3/hr	240 m^3/hr
power	490 W	1610 W
filter system	Teflon filter cartridge, automatic cleaning feature	Teflon filter cartridge, automatic cleaning feature
filter volume	8 liters (dust drawer)	8 liters (dust drawer)
width x depth x height	9.6 x 19.6 x 17.3 inch / 245 x 500 x 440 mm	10.6 x 21.2 x 21.1 inch / 270 x 540 x 535 mm
supply voltage	230 V	115 V/230 V
special features	suitable for machine tables T0, T1 and T2, quiet running, very compact, self-cleaning by vibration	suitable for machine tables T1 and T2, 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

23.6 inch
60 cm

15.7 inch
40 cm

21.6 inch
55 cm

15.7 inch
40 cm

23.6 inch
60 cm

Machine table T0

90 cm
35.4 inch

15.7 inch
40 cm

19.6 inch
50 cm

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 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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