





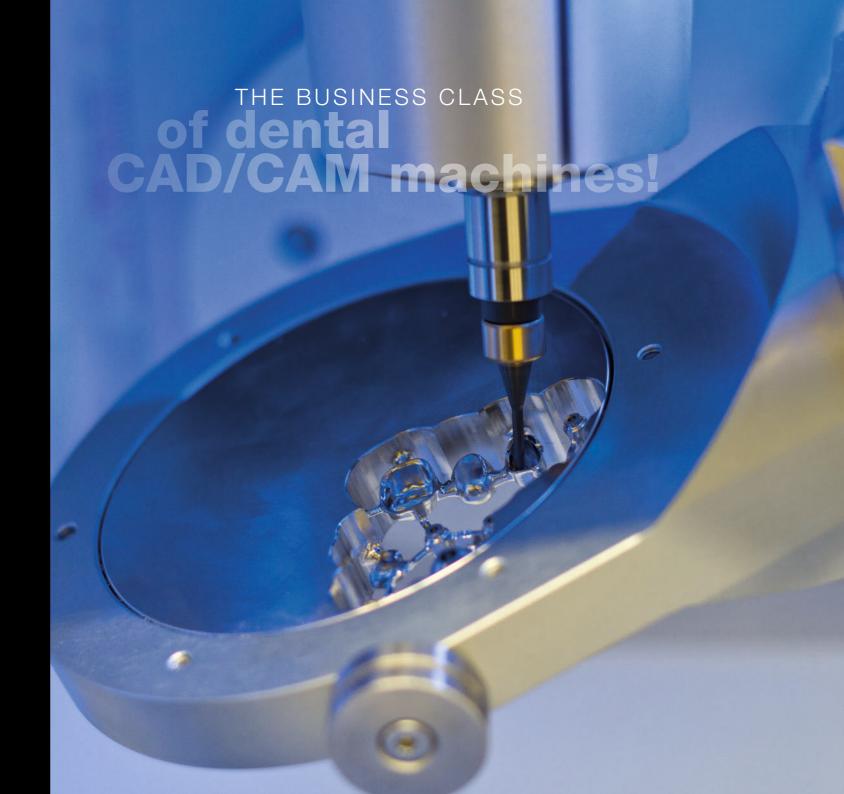
CORITEC® 350i series

The CORITEC® 350i series

WHAT ARE THE DIFFERENCES?

| | CORITEC 350i PRO | CORITEC 350i Loader PRO | CORITEC 350i PRO* | CORITEC 350i Loader PRO* |
|---|--------------------------------|----------------------------|-----------------------|-----------------------------|
| Motor technology | Servo with absolute encoder | | | |
| Resolution | 32.000 Inc (0.15 μm) | | | |
| Base structure | Polymer concrete, steel rails | | | |
| Screen | 15" HD touchscreen | | | |
| Housing | Shiny design, LED illumination | | | |
| Fully automatic workpiece blankchanger | Manual | 12-fold | Manual | 700 12-fold |
| Blankholder inclusive | 2 | 8 | 2 | 8 |
| Absolute measurement system in all axes | √ | ✓ | √ | √ |
| Spindle power | 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 | √ | √ | √ | √ |
| Cooling system spindle | Air cooled | | Water cooling system | |





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.



CORITEC® 350i PRO

INTEGRATED WET AND DRY **PROCESSING**

> ABSOLUTE MEASURING SYSTEM IN ALL AXES

ALL CAD/CAM MATERIALS CAN BE PROCESSED

15 INCH **TOUCHSCREEN**



ZERO-POINT CLAMPING SYSTEM STANDARD

REVOLUTIONARY BASE STRUCTURE OF POLYMER CONCRETE

INTEGRATED TEMPERATURE COMPENSATION

20-FOLD TOOL CHANGER

PMMA PEEK Glass ceramics CoCr Standard PreMilled Abutment H Dentures Inlay, Onlay, Veneer Crowns, Bridges

Telescopic technology

Bridge

WAX COMPOSITE SINT **PreFab Abutments** C-Clamp Block zero-point clamping system Hybrid Abutment Splint **Full Denture** Model Model

CORITEC® 350i Loader PRO

FULLY AUTOMATIC 12-FOLD BLANK CHANGER

INTEGRATED WET AND DRY PROCESSING

> AROUND THE CLOCK 24 hours of production

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

ZERO POINT CLAMPING SYSTEM



OPTIONAL IONIZER **POSSIBLE**

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

casting

Hybrid machining

INTEGRATED TEMPERATURE COMPENSATION

CORiTEC® 350i PRO*/350i Loader PRO*

THE PLUS OF PERFORMANCE AND PRECISION

As already implemented in the CORITEC 350i PRO, the CORITEC 350i PRO 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 is equipped with a watercooled, 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 with fully automated blank magazine also enables the versatile machining of up to 12 blanks in unmanned operation.



CORITEC® 350i PRO



HIGH-RESOLUTION DYNAMIC SERVO MOTORS with absolute measuring system INTEGRATED WET AND DRY PROCESSING

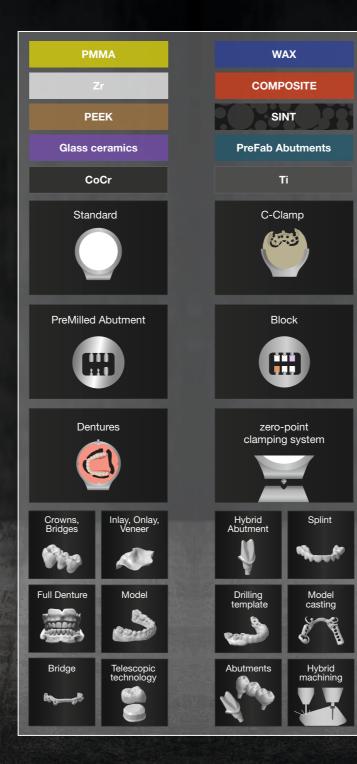
> 20-FOLD TOOL CHANGER

OPTIONAL IONIZER POSSIBLE



STAINLESS STEEL BLANK HOLDER

INTEGRATED TEMPERATURE COMPENSATION



CORITEC® 350i Loader PRO[†]

STAINLESS STEEL BLANK HOLDER

> AROUND THE CLOCK 24 hours of production

INTEGRATED

WET AND DRY

PROCESSING

OPTIONAL IONIZER POSSIBLE

PRODUCTION TO A SECURITION OF THE PRODUCT OF THE PR

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



(nt-trading)





NT-Preform® Abutment PreFace® Abutment MED-Preform® Abutment



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

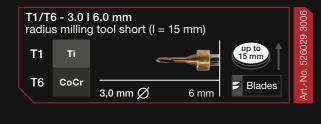


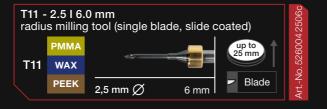
MODEL MILLING BAUMANN SYSTEM

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

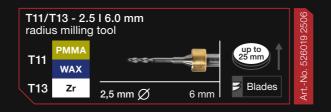


only for CORITEC 350i PRO in preperation

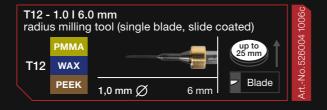


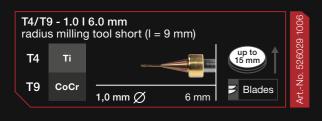




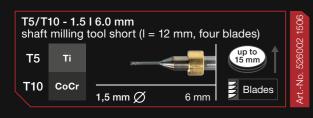






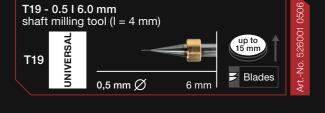














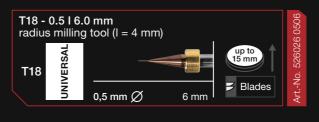








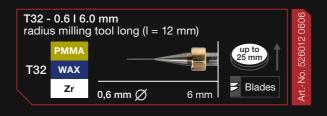








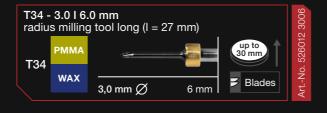
T26 - 3.0 I 6.0 mm radius milling tool long (I = 20 mm) Ti T26 CoCr 3,0 mm Ø 6 mm T27 - 2.0 I 6.0 mm radius milling tool long (I = 16 mm)











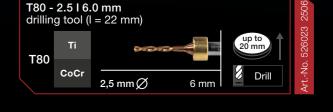


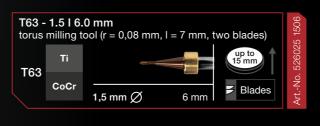


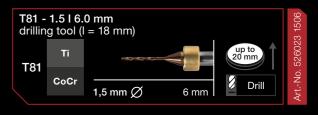


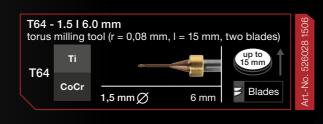


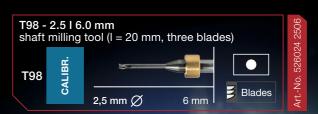


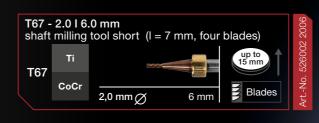


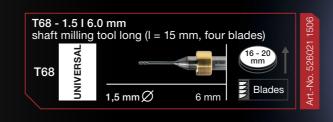














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CORITEC® Materials

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 CoCr AND Ti

- 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

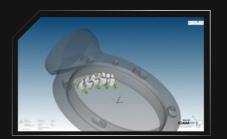
CORITEC iCAM V5 smart

- 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)
- Three months free use with CORiTEC 150i machine purchase





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 | 41.7 x 36.6 x 31.1 inch |
| 770 x 930 x 790 mm | 1060 x 930 x 790 mm |
| W x H x D | W x H x D |
| CORITEC 350i | COR TEC 350i Loader |
| CORITEC 350i PRO | COR TEC 350i Loader PRO |
| CORITEC 350i PRO [†] | COR TEC 350i Loader PRO |



Dust extraction systems

| | iVAC eco+ | iVAC silent PRO | iVAC PRO⁺ |
|----------------|--|--|---|
| Volume flow | 260m³/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 | 81 | 15 |
| WxDxH | 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 | 100-240V/ 50/60Hz | 110V - 50/60Hz 230V - 50/60Hz | 100-240V/ 50/60Hz |
| | The second | | #### [*] * |





Sintering furnances

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 \emptyset 100 mm for approx. 25 units. The door stop can be mounted right and left.



iSINT PRO

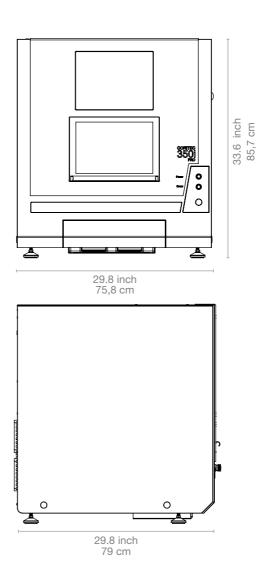
A larger sintering capacity of up to 80 single crowns is offered by the new iSINT PRO. With a heating system with four high-quality molybdenum disilicide (MoSi2) heating elements, you can choose between conventional long-term sintering or SPEED sintering at a rate of up to 99 °C/min/ 210.20 °F/min. The iSINT PRO is 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.

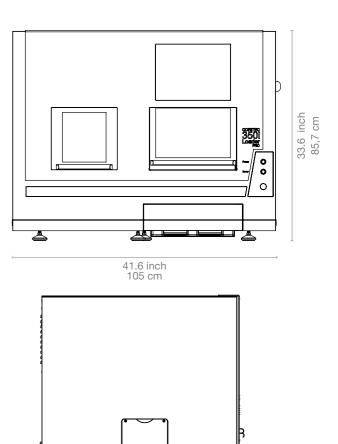


| | iSINT eco | iSINT PRO |
|----------------------------|------------------------------------|------------------------------------|
| Number of heating elements | 4 | 4 |
| Display | 7-Segment | 4-line LCD |
| Number of program memories | 9 | 30 |
| Heating chamber capacity | 1x sintering tray / 100mm diameter | 2x sintering tray / 120mm diameter |
| Max. heating rate | 30°K/min | 99°K/min |
| Power in W | 1500 W | 3200 W |
| Lift function | No | Yes |
| Speedsintering | No | Yes |
| Supply voltage / frequency | 220-240V/ 50-60Hz | 200-240V/ 50-60Hz |

Dimensions

CORiTEC® 350i series





29.8 inch

79 cm

CORITEC® 350i series in numbers

| CORITEC 350i PRO CORITEC 350i Loader PRO CORITEC 350i PRO CORITEC 350i PRO CORITEC 350i PRO CORITEC 350i Loa | ler PRO [†] |
|--|----------------------|
|--|----------------------|

| Mechanics / electronics | | | | |
|---------------------------------------|---|---|---|---|
| Base structure | 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 |
| Rotation angle | A-axis 360°, B-axis 115° |
| 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 2.6 kW | 60.000 rpm 2.6 kW |
| Spindle cooling | Air cooled | Air cooled | Water cooled | Water cooled |
| Zero point clamping system | Yes | Yes | Yes | Yes |
| Blankchanger | | Up to 12 blanks | - | Up to 12 blanks with 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 |
| Tool changer | 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 |
| Integrated PC | Windows based | Windows based | Windows based | Windows based |
| Monitor | 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 |
| Software | Remote DENTAL 3.0 | Remote DENTAL 3.0 | Remote DENTAL 3.0 | Remote DENTAL 3.0 |
| Compressed air supply* | 6,5 - 9,0bar @ 80l/min 95 - 130PSl @ 2,9cf/min | 6,5 - 9,0bar @ 80l/min 95 - 130PSI @ 2,9cf/min | 6,5 - 9,0bar @ 80l/min 95 - 130PSI @ 2,9cf/min | 6,5 - 9,0bar @ 80l/min 95 - 130PSI @ 2,9cf/min |
| Cooling liquid | 4,8 l 1,27gal (US) | 4,8 I 1,27gal (US) | 4,8 I 1,27gal (US) | 4,8 l 1,27gal (US) |
| Connecting requirements | | | | |
| Weight | 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 |
| Supply voltage / frequency | 100 V - 240 V / 50/60 Hz | 100 V - 240 V / 50/60 Hz | 100 V - 50/60 Hz 240 V - 50/60 Hz | 100 V - 50/60 Hz 240 V - 50/60 Hz |
| . 100 0570 1 0010 01 0 1 0 | | | 5 00 | |

* acc. to ISO 8573 1:2010 Class 3.4.3

Reva

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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.

imes-icore® GmbH

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