

# inLab DENTAL LAB FREEDOM OF CHOICE.



SIRONA.COM

**IDS**  
**2015**

IDS-EDITION: inLab  
INNOVATIONS IN 2015

The Dental Company

**sirona.**



# inLab

CAD/CAM with inLab – now you have the freedom of choice for scanning, design and production. Your dental lab is all set for the future with new, high-performance inLab components. Scanners, software and production units are optimally coordinated and even more in tune with dental technician requirements. Together, they ensure the greatest variety of materials, for a broad range of indications and user-friendly applications.

## **Scan** from page 04

inEos X5 – one scanner, all options.

## **Design** from page 08

NEW: inLab SW 15.0 – dental design needs good software.

## **Production** from page 16

- NEW: inLab MC X5 – maximum freedom.
- inLab MC XL – speed and precision.
- NEW: inLab CAM software – digital next level.
- inFire HTC speed – the fastest sintering furnace.

In addition, with Sirona Connect you have access to the largest installed base of digital intraoral impression systems. inLab is open. STL interfaces permit flexibility when integrating existing CAD/CAM solutions for independent and cost-efficient production processes. **Enjoy every day. With Sirona.**

## **infiniDent** from page 22

Central production.

## **CAD/CAM materials** from page 26

All from one source.

## **Sirona Connect** from page 28

Digital impressions.





# inEos X5 – ONE SCANNER, ALL OPTIONS.

## TOP TECHNOLOGY – MADE IN GERMANY.

The high-precision scanning element of the inEos X5 was developed specially for dental applications. It provides outstanding accuracy and highest depth of field. All components of the scanner were developed in Germany and produced according to strict quality standards.

## INTELLIGENT SCANNING TECHNOLOGY

The inEos X5 ensures precise digital registration of all indication types with its robot arm, unique 5-axis scanning technology combined with large working area. Preparations are clearly visible.



reddot award 2014  
winner



product  
design award  
2014

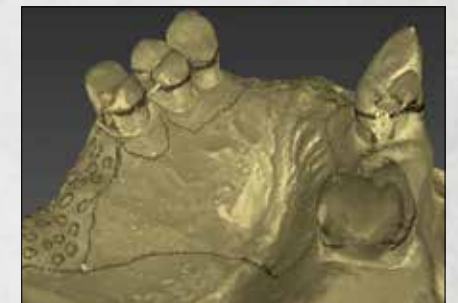
inEos X5 allows you to make scans for all indications and is your specialist for every digitalization task. The scanner combines simple operation with specific scanning strategies. It thus ensures flexible positioning of models and complete freedom of use.



**NEW: Implants.** Using the new one-piece scanbody, implant positions can be determined with a high degree of precision even for long-span screw retained implants.\*



**NEW: Triple-tray scan.** The lower and upper jaws together with the bite registration can be scanned from a triple-tray impression tray for smaller jobs.\*



**NEW: Texture scan.** For visual support of for example a metal cast design in the inLab software.\*



**Scanning in record time.** Whole jaw models are digitized in less than 60 seconds using the large scanning field.



**Impression scan.** The inEos X5 scans many different shapes and sizes of impression trays with no difficulty.



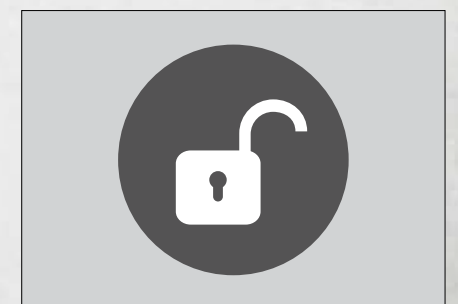
**Large operating range.** Allows positioning of most common articulators and gives fast, unobstructed access to the scan object.



**Multi-die scanning.** Up to four prepared stumps are scanned fully automatically and inserted into the digital model with no manual interaction.



**Manual scanning.** Smaller jobs with only a few preparations can be scanned quickly and efficiently using manual mode.



**Open scanner.** The model data collected with inEos X5 can be exported as STL.

\* Anticipated to be available from summer 2015



# inEos X5 – HIGH PRECISION.

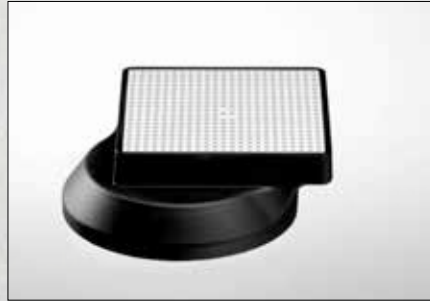
inEos X5 was developed by Sirona according to the highest quality standards for optical measuring systems and after a short period of time already established on the market as the reference scanner. inEos X5 ensures greatest accuracy for all dental technician digitalization work – from the palate to the tip of the scanbody.

NEW

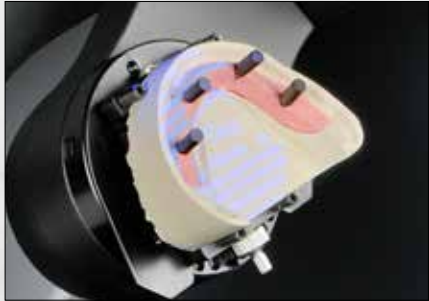
**NEW: inPost\***  
The new one-piece scanbody is made with high precision and its coating and shape are optimally compatible to the special optics of inEos X5.



**NEW: SCAN WORKFLOW**  
The new scan strategy for long-span screw retained implants with inEos X5 determines the position and angle of the implant position with great accuracy.



**New: High-precision calibration set\*.** The new calibration set and new calibration method ensures long lasting reproducibility and highest precision. Quality assurance documents and protocols can be exported in PDF format for archiving.

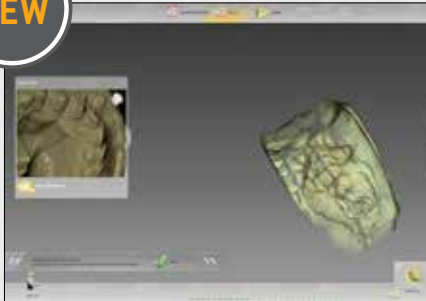


**Special optics.** The camera optics are based on digital stripe light projection with blue light are optics produced according to strict quality standards. In addition inEos X5 scans all situations with the greatest reliability. All optical components of inEos X5 are designed and produced specially for dental applications.

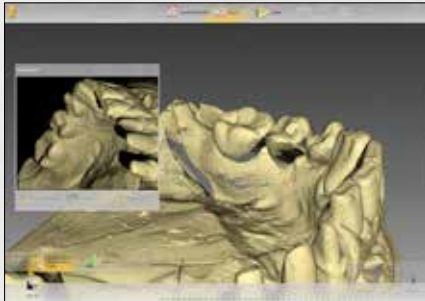
\*optional; Requirement: inLab SW 15.0, anticipated to be available from summer 2015

# inEos X5 – SIMPLE.

NEW



**Triple-tray scan.** Benefit from the fully digital process – the short time from preparation through scanning bite registration impression trays to the final restoration.\*



**Maximum control.** Supplement the images generated by the fully automatic scan technology with user-specific views. Use the click-to-scan function to capture all areas of the model as desired.



**Intuitive user interface.** A digital model with just a few clicks. The intuitive user interface of inLab Scan SW with a choice of object-specific scan strategies gives you extremely precise, reproducible results for all scanning work.



**Wide range of accessories.** Experience inEos X5 with its custom accessories for fast, easy positioning of all scan objects and save time.

## TECHNICAL DATA



inEos X5	Data
Dimensions (WxHxD) in mm	474x735x460
Weight	40 kg
Mains voltage	100–240 V
Mains frequency	47–63 Hz
Power consumption	150 W
Scanning technique	Digital stripe light projection
Scanning material	All popular dental gypsum except non-absorbent, reflecting or transparent materials
Interfaces	USB 2.0
Network connection	via scanner PC: LAN/WLAN

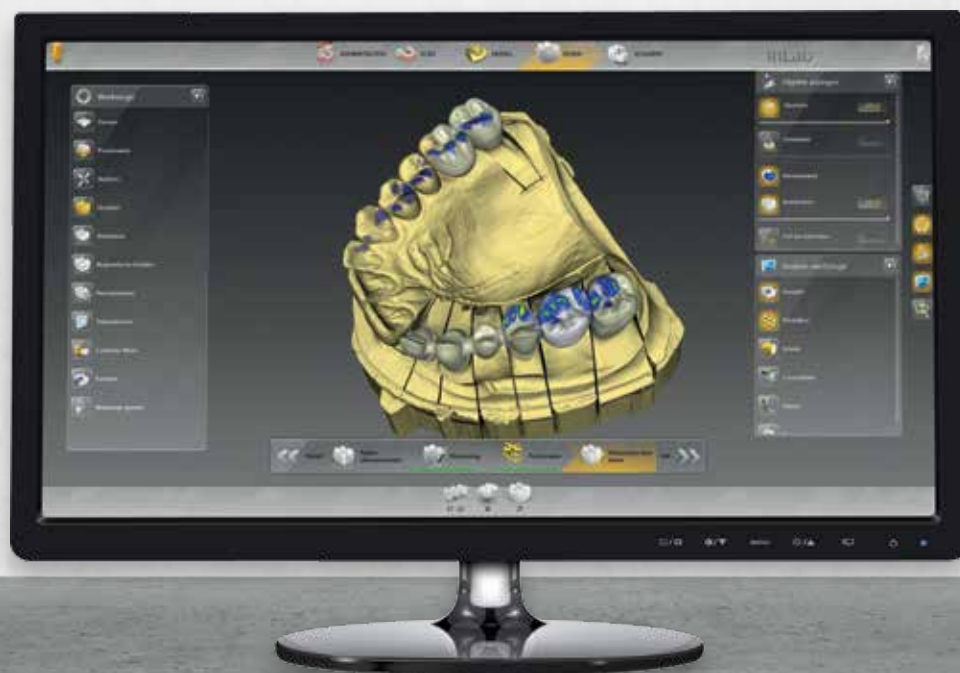
\*Requirement: inLab SW 15.0, anticipated to be available from summer 2015



# inLab SW 15.0 – DENTAL DESIGN REQUIRES GOOD SOFTWARE.

The new inLab software 15.0 is a comprehensive further development designed to meet the requirements of CAD/CAM systems in dental labs. Having separate CAD components the software is independent of the scanning and production unit and is open for flexible STL integration in existing scanners and machines. CAD with inLab SW 15.0 accommodates needs-based indications and has an optimized design processes and user-friendly interface.

BASIC MODULE      IMPLANTOLOGY      REMOVABLE DENTAL PROSTHESIS      INTERFACES



## DESIGN AS REQUIRED

You have the choice of which indications beyond the basic applications you would like to use with inLab SW 15.0 CAD software. Four software modules cover the most important indications. You

remain entirely free to decide, if and when, you would like to add an available update – no required updates, no expiry date, no annual license fee and no pay per unit fee.

### inLab SW 15.0 Basic Module\*

- Inlays, onlays, veneers, full crowns, bridges, copings, bridge frameworks, multilayer
- All design tools, virtual articulator, Smile Design
- Sirona Connect access
- NEW: J.O.B.S. Jaw Oriented Biogenic Setting
- NEW: Dental databases
- NEW: Virtual insertion
- NEW: Gingiva elements

### inLab SW 15.0 Implantology Module\*\*

- Customized abutments and direct screw retained crowns
- NEW: Screw retained bridges and bars on implants
- NEW: Surgical guides

### inLab SW 15.0 Removable Dental Prosthesis Module\*\*

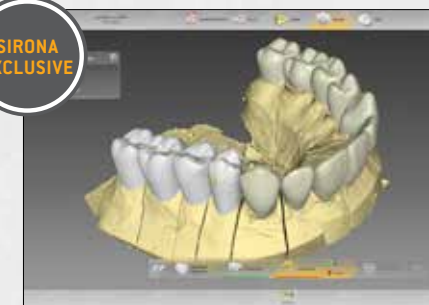
- Telescopes, bars, attachments
- NEW: Model cast

### inLab SW 15.0 Interface Module \*\*

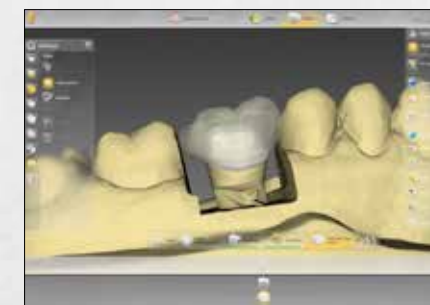
One license for all available import and export interfaces. Allows flexible integration of inLab CAD software into nearly all existing CAD/CAM equipment.

## inLab CAD BASIC – YOUR TOOLS FOR EFFICIENT DESIGN

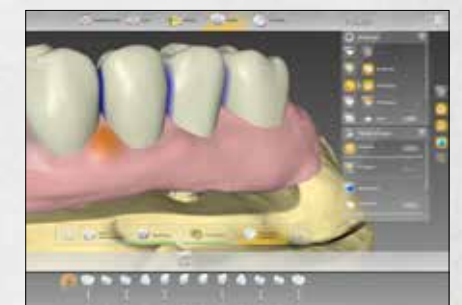
SIRONA EXCLUSIVE



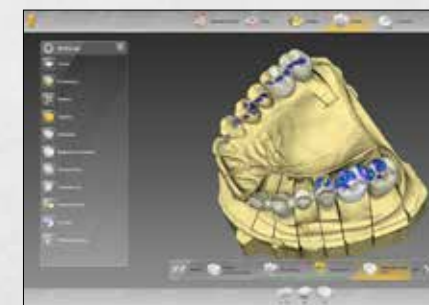
**NEW: J.O.B.S. Jaw Oriented Biogenic Settings.** Especially for larger cases based on the digital jaw information and residual tooth substance. Alternative selection of different dental databases for example jaws with few teeth.



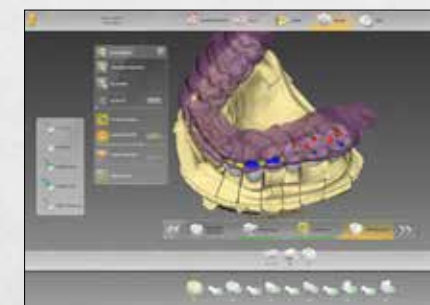
**NEW: Virtual insertion.** Simultaneous design of several restoration levels in complex cases.



**NEW: Gingiva design.** Separate design element for producing restorations with a gingival component.



**Everything you need at a glance.** High-performance software with quick access to tools and an intelligent workflow for fast, easy support of the design process.



**Smile Design.** To simulate the harmonious effect of the design proposal and balancing the smile lines using a 3D patient image.

\* Required for all other modules

\*\* Requirement: inLab SW 15.0 Basic Module

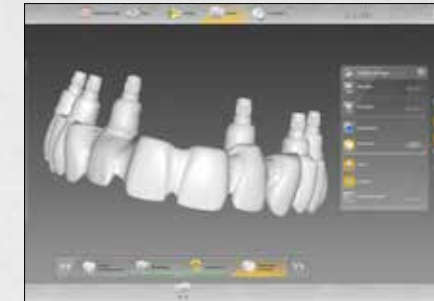
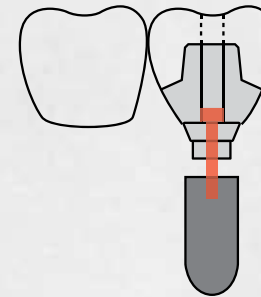


# IMPLANTOLOGY — IMPLANT RESTORATIONS.

The inLab SW 15.0 implantology module includes all the necessary tools for precise implant restorations for single and multiple implants and for the first time screw retained bridges and bars.

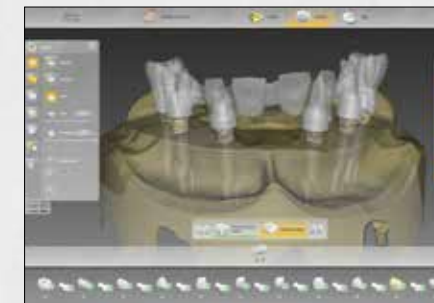
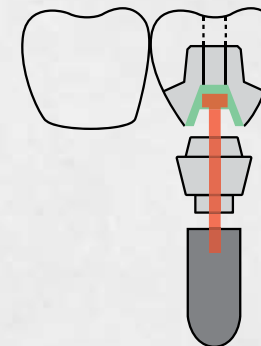


## SCREW RETAINED BRIDGES AND BARS WITH IMPLANT CONNECTION



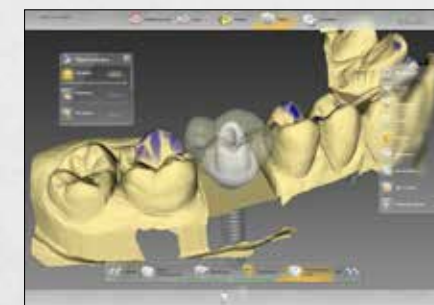
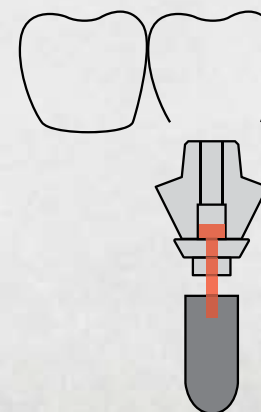
inLab SW 15.0 leads you easily and quickly through the steps to your desired design. The design data set can be sent for example to infiniDent or be sent as STL export using the interface module for fabrication at a suitable CAD/CAM production center.

## SCREW RETAINED BRIDGES AND BARS ON PREFABRICATED ABUTMENTS (SCREWED OR CEMENTED)



For in-house production for example with inLab MC X5 (zirconium oxide or PMMA). You can design screw retained bridges and bars on prefabricated abutments or cement bases with inLab SW 15.0.

## CUSTOM ZIRCONIUM OXIDE ABUTMENTS ON SIRONA TIBASE (ADHESIVE BASE)



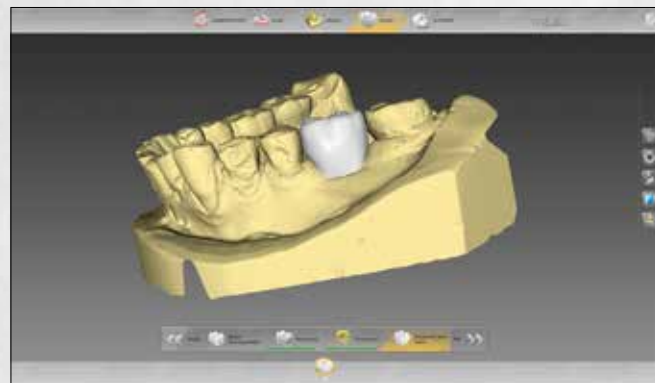
The abutment is designed either directly or top down, i.e. fully anatomical designs can be split into crown or crown coping and abutment at the press of a button and then produced for example with inLab MC X5 or inLab MC XL.



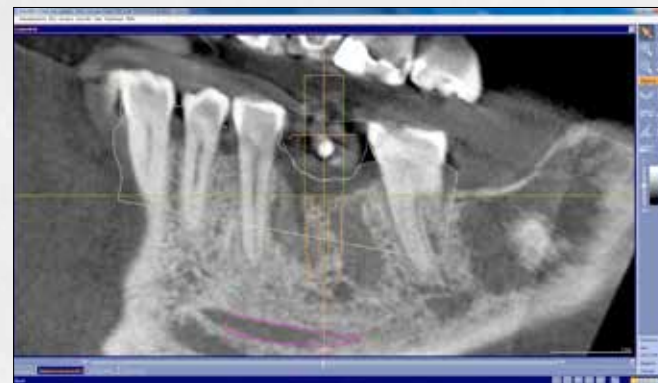
# IMPLANTOLOGY – SURGICAL GUIDES.

You can design and produce custom surgical guides in your lab quickly and cost-effectively with inLab SW 15.0. As part of integrated implant planning with Sirona 3D X-ray systems inLab surgical guides produced by CAD/CAM are an accurate basis for planning the surgical procedure.

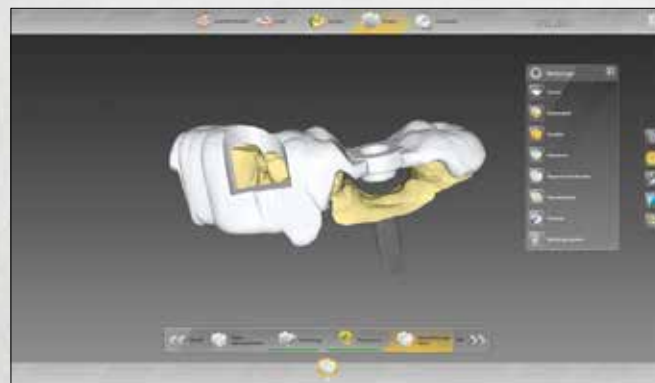
## SURGICAL GUIDES – FOR INTEGRATED IMPLANTOLOGY



Prerequisite is a digital impression of the oral situation of the model for example with inEos X5. Optionally a restoration for implant planning can be designed according to prosthetic aspects. These optical data are then exported.\*



Match the optical data with the 3D X-ray data (ORTHOPHOS SL 3D, XG 3D, or GALILEOS) for subsequent implant planning as a \*.dxd planning file.



The \*.dxd planning file is imported into the inLab software 15.0 to design the surgical guide\*. The shape of the surgical guide can be individually adapted for any span size with one or more drill holes.



The surgical guide can then be milled in-house using the inLab MC X5 for example or sent via STL export for print production.\*\*

# INTERFACES – RETAIN FLEXIBILITY.

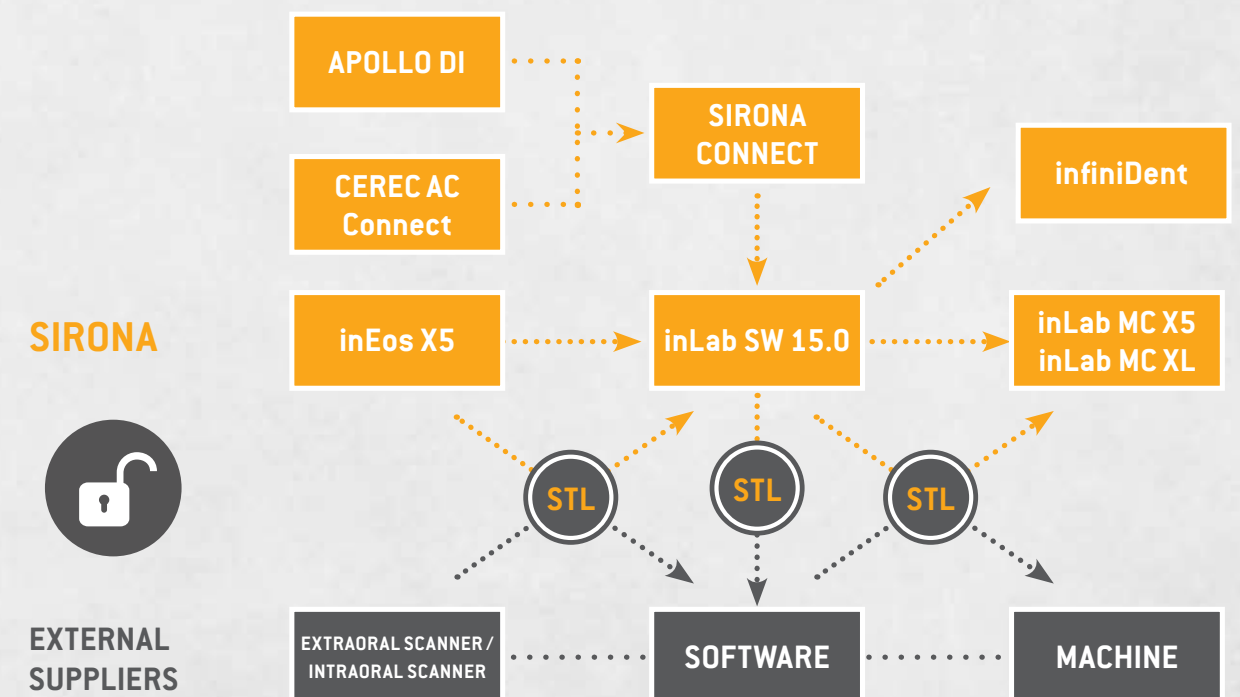
With inLab SW 15.0 you can decide on a case-by-case basis whether to complete the entire CAD/CAM process with Sirona components or use individual solutions from other manufacturers.

## inLab IS OPEN.

The optional interface module of inLab SW 15.0 gives you more versatility for your CAD/CAM infrastructure. For example:

- NEW: STL import of scan data (extraoral and intraoral scanner), e.g. to design with inLab SW 15.0 CAD and production with inLab MC X5 or inLab MC XL
- STL export of inLab restoration data e.g. to process on other production units

- STL export of Sirona Connect intraoral scan data e.g. to design in a different CAD software
- STL export of designed model data e.g. to an external model production facility



\* Required OPEN GALILEOS Implant interface which is included in the inLab SW 15.0 Implantology Module. Anticipated to be available from summer 2015

\*\* Requires inLab SW 15.0 Interface Module. Anticipated to be available from summer 2015.



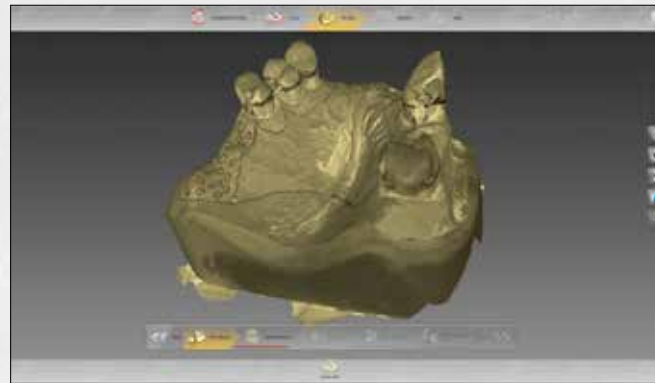
# REMOVABLE DENTAL PROSTHESIS – IN ONLY A FEW STEPS.

With inLab software 15.0 you can design a model cast prosthesis for a permanent denture in just a few steps.

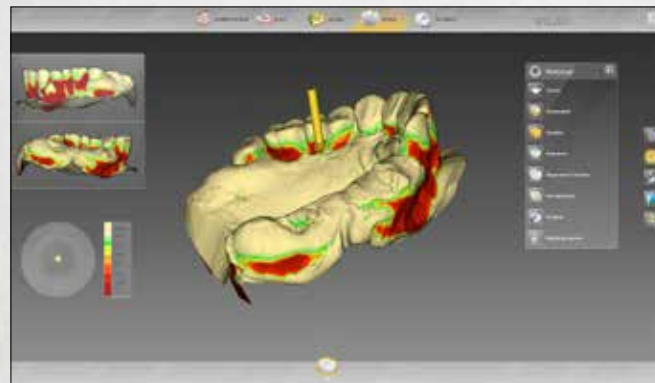
## NEW: MODEL CAST\*



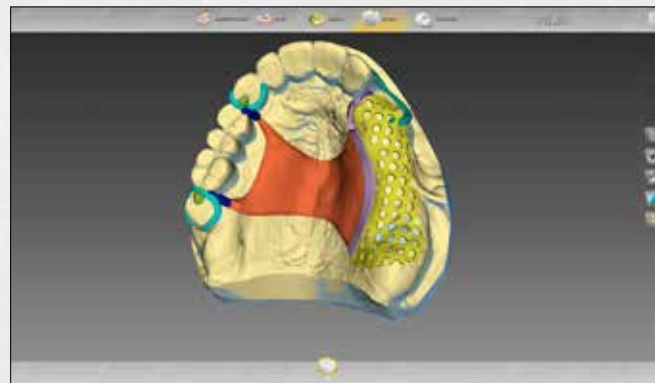
The size of the model cast prosthesis can be marked on the working model and scanned with inEos X5.



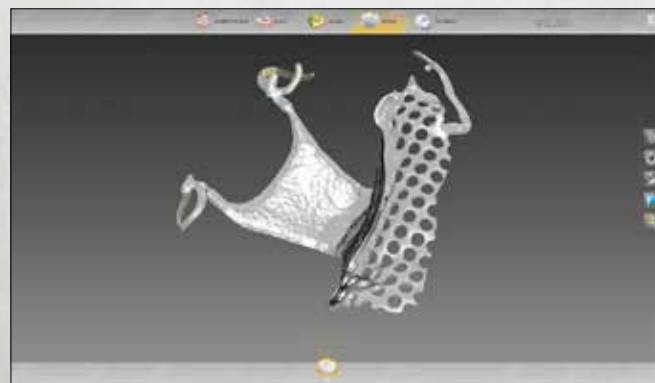
Line textures are shown on the 3D model in the software.



Model blocking is shown as colored undercuts.



Using the new user interface you have access to all the necessary design elements for the individual design of the model cast prosthesis.

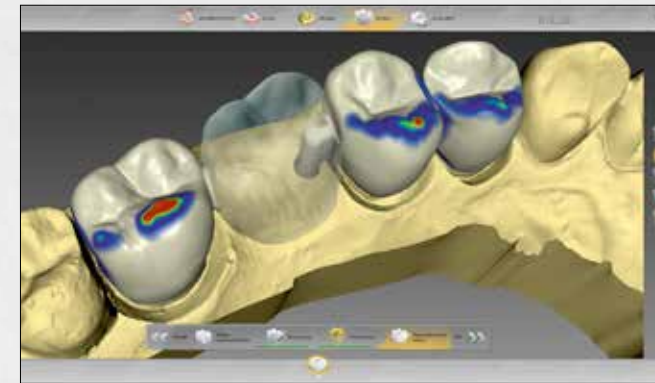


The model cast prosthesis is individually adapted using design tools.

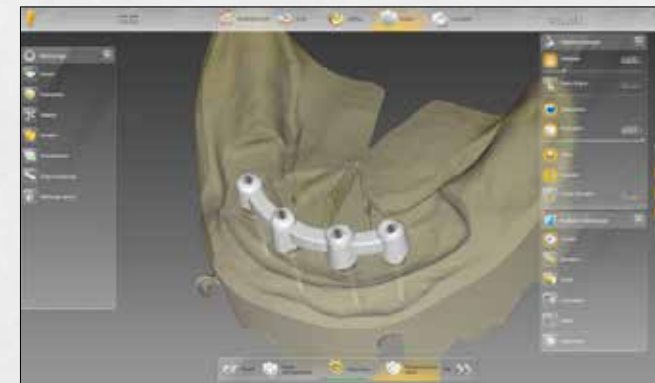
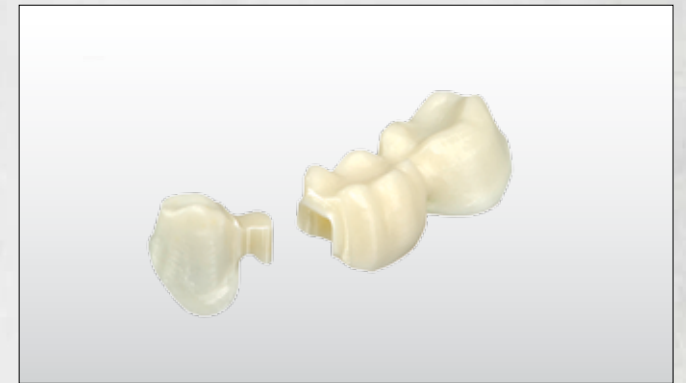


STL export of the design data set, wax-up for subsequent cast or direct realization with laser sintering.

## OTHER APPLICATIONS



Customized attachments



Standard bars for realization in zirconium oxide and metal



Customized primary telescope and cone crowns



\* Requires inLab SW 15.0 Interface Module. Anticipated to be available from summer 2015.



# inLab MC X5 – MAXIMUM FREEDOM.

Sirona offers you complete freedom of choice in the dental lab when it comes to CAD/CAM production. This means for you independence in terms of material, indications as well as processing external CAD data. The new inLab MC X5 is designed specifically to meet dental lab requirements for cost-efficient production today and in the future.

## NEW: inLab CAM 15.0\*

- Milling sintered metal
- Milling abutments and abutment bridges from zirconium oxide
- Milling pre-shaded translucent zirconium oxide blocks (inCoris TZI C from Sirona)
- inLab extra-fine grinding with the diamond 0.6 tool
- Milling surgical guides
- Grinding abutment mesostructures from e.max CAD meso
- Import of restoration data with XML additional information

## DESIGN

The new inLab MC X5 offers more than just optimal functionality and simple operation: its extremely stable construction and modern design are also highly attractive. Its compact, elegant shape is a real eyecatcher and complements perfectly the award-winning inEos X5 extraoral scanner.



## OPEN

inLab MC X5 is a completely open production unit. It is the perfect complement to the inLab components inEos X5 and inLab software. Now for the first time it can also be used to process other STL restoration data. The completely redeveloped CAM module demonstrates flexibility as it can be connected to a wide range of other CAD systems at no additional cost.

## BROAD RANGE OF MATERIALS

inLab MC X5 is a universal production unit for processing zirconium oxide, polymers, composites, wax and metals\* as well as glass and hybrid ceramics.

## DISKS AND BLOCKS



inLab MC X5 processes standard disks (Ø 98.5 mm, up to 30 mm thick) and blocks in a single machine. The system offers you the capability to handle a broad spectrum of indications with complete freedom of choice of material. Changing from disks to blocks takes just a few seconds.



The innovative multi-block holder can accommodate up to six blocks of various materials, thereby enabling maximum productivity even with multiple single restorations.

## WET AND DRY



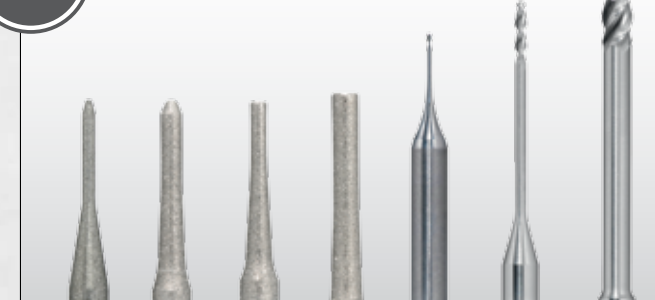
inLab MC X5 can be used for dry or wet production depending on the material and indication. Sirona has drawn upon its 30 years of experience in the wet processing of glass ceramics to create the ultimate machine for the wet



grinding of fully anatomical restorations from high-strength monolithic materials. Changing between wet and dry production e.g. from glass ceramics to zirconium oxide is fast and uncomplicated.

## MILLING AND GRINDING

### NEW: EXTRA-FINE BURS



Depending on whether it is for wet or dry processing, a diamond grinder or carbide cutter is used. Their cutting geometries and coatings are optimally developed for various indications and materials – for outstanding surface results and margins.

## SPINDLE TOUCH TECHNOLOGIE



The unique inLab MC X5 technology is able to capture the position of disks and blocks with utmost precision. These exceptionally high levels of accuracy enable you to make the most economical use of materials e.g. efficiently machine mesostructure blocs.\*

\* Anticipated to be available from summer 2015



# inLab MC XL – SPEED AND PRECISION.

inLab MC XL is the fast wet milling and grinding unit with many production options for your dental lab. You benefit from high speed and precision and can switch from grinding to milling in just a few steps. The large selection of materials and many uses give you particularly flexible and efficient production options.

**NEW: EXTRA FINE GRINDING**  
inLab MC XL is now even more precise with the new extra fine grinding burs. Make restorations with the highest accuracy and fine details in the areas of occlusions and interdental spaces as well as on the preparation margin.\*

**NEW: OPEN FOR STL RESTORATION DATA**  
inLab MC XL produces restorations perfectly tuned with the new inLab SW 15.0. Alternatively, you can import restorations in STL/XML format from other CAD software e.g. exocad®, 3Shape® etc.

**inLab HIGH-SPEED MILLING**  
Glass and hybrid ceramic restorations can be produced at a previously unachievable speed with simultaneous double 4 axis processing. A fully anatomical e.max CAD crown takes less than 10 minutes. This is a key success factor for potential new business models providing digital impression orders within an hour.

**RANGE OF MATERIALS**  
Benefit from the broad range of materials. Sirona CAD/CAM materials and those of our material partners are optimally coordinated for high-speed processing.



\* Anticipated to be available from summer 2015

## TECHNICAL DATA

	inLab MC X5	inLab MC XL
GENERAL		
Width	590 mm	700 mm
Height	810 mm	425 mm
Depth	580 mm	420 mm
Weight	87 kg	43 kg
Required compressed air pressure	min. 7bar	–
Required compressed air quantity	50l/min	–
Noise level	<63dba	<65dba
KINEMATICS		
Axes	5	4
Angle of incidence for A axis	360°	+/-180°
Angle of incidence for B axis	+/-30°	15°
MATERIAL TYPES		
Zirconium oxide	x	x
PMMA	x	x
Wax	x	–
Composite	x	x
Hybrid ceramics	x	x
Glass ceramics (with wet option)	x	x
Lithium disilicate ceramics (with wet option)	x	x
CoCr sintered	x	x
CoCr solid	WIP	–
Titan preforms	WIP	–
MATERIAL FORMS		
Blocks	40 x 19 x 12mm	85 x 40 x 22mm
Max. number of blocks per process	6	1
Disks (form)	98/98,5mm with collar	–
Disks (height)	up to 30mm	–
Material openness	Yes	Not explicit
TOOL MANAGEMENT		
Automatic tool changing	Yes	No
Max. number of tools per process	6	2(4)
Changeable tool magazine controlled in SW	Yes	No

	inLab MC X5	inLab MC XL
INDICATIONS		
Veneers	x	x
Inlays	x	x
Onlays	x	x
Crowns	x	x
Copings	x	x
Bridge frameworks	x	x
Bridges	x	x
Full-jaw bridges	x	–
Telescopes	x	x
Attachments	x	x
Abutments milled from meso blocks	x	x
Abutments milled from disks	x	–
Implant bridges	x	–
Bars	x	x
Splints	x	
Surgical guide (single)	x	x
Surgical guide (multiple)	x	–
Models	–	x



# inLab CAM 15.0 – DIGITAL NEXT LEVEL.

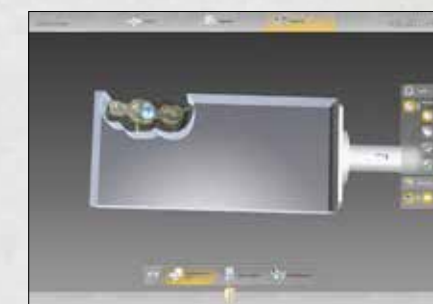
Two machines – one optimal workflow. inLab CAM 15.0 software is specially developed for Sirona inLab MC X5 and inLab MC XL milling units and their tools. All components are inter-coordinated and ensure reliable production of your restorations. All essential process steps, system configurations and integrated service functions can be carried out quickly and easily via the user-friendly interface.



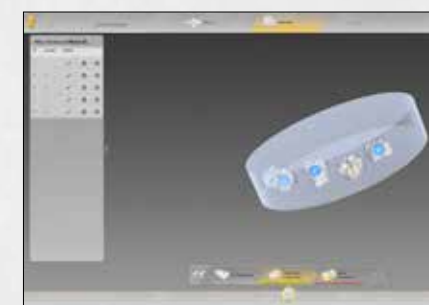
**Efficient management of orders and materials.** You have with inLab CAM 15.0 all information readily available on all machines to create, load and manage orders and materials – in the form of disks or blocks.



**Multi-job workflow.** Operate several machines simultaneously from one software. Maximize your output with optimal use of resources.



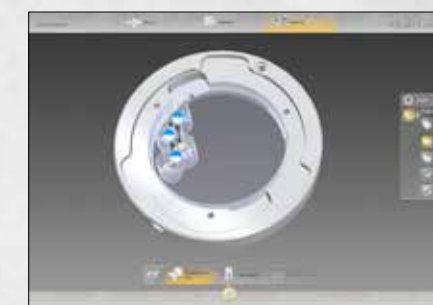
**Start processing immediately.** Save time due to innovative milling and grinding calculations. Start the fabrication process immediately after entering the order.



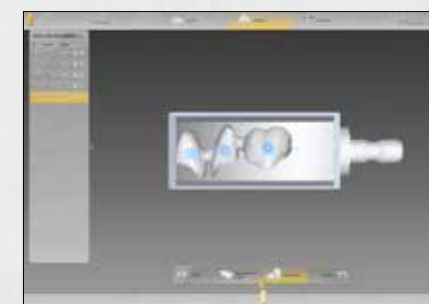
**Multi-positioning functions.** Place your work precisely in disks and blocks. Use the automatic functions auto-positioning, height optimization in the disk, or sinter support calculation. You can also define the object position individually.



**inLab MC X5 multi-block management.** Position up to seven blocks of different materials in one order. inLab CAM supports you with the automatic block size proposal and thus optimizes the use of materials and processing times. NEW: Zirconium oxide blocks can also be milled!



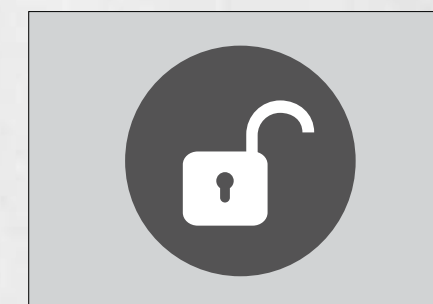
**Individual milling and grinding strategies.** You have full control of the result and can choose from different material-specific processing strategies. For example select occlusal and interdental details, surface quality or reducing the support pins.



**Nesting and stacking.** Optimal efficiency is achieved with inLab CAM for each material type. For example mill several restorations from one glass or hybrid ceramic block on inLab MC XL with special stacking functions. Alternatively use the nesting function for milling zirconium oxide, polymers, metals, or composites on the MC X5 or MC XL.



**Machine and tool management.** Using the intuitive graphic user interface you have complete control over the state of maintenance of your production units e.g. tool running time. The operating functions are touch-optimized and allow control and tool management of the machines from a tablet.



**OPEN for STL and XML.** inLab MCXL and inLab MCX5 are open for processing restoration data from all common dental CAD software. The optional XML import gives additional information such as preparation margins, insertion axes or order information e.g. from exocad® or 3Shape®.

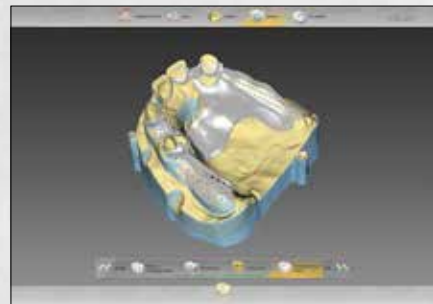


# infiniDent – TECHNOLOGICAL DIVERSITY MEETS A WIDE SELECTION OF MATERIALS.

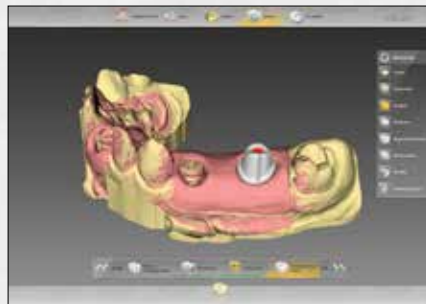
infiniDent is the open digital service partner for practice and dental labs in Europe for producing restorations and dental models. Thanks to a 24-hour production process, laboratories with open or Sirona systems have fast, easy and cost-efficient access to industrially produced dental restorations “Made in Germany”. Whether you use inLab SW, inEos X5 with third-party software or a complete CAD/CAM system infinidDent is a perfect complement to your inLab components and helps you work even more

productively. Using state-of-the-art CAD/CAM technology and validated processes, infinidDent provides solutions from a single source – crown and bridge frameworks in a wide variety of materials, implant abutments and physical models from digital impressions. Of course everything is supplied with a comprehensive warranty. As part of the Sirona Dental group, infinidDent also has the competence from more than 30 years of dental CAD/CAM experience.

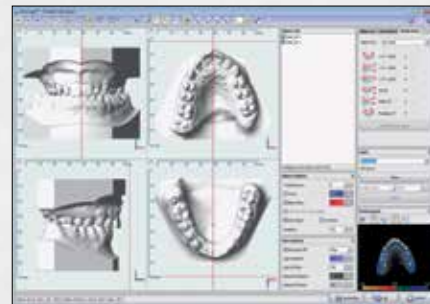
## infiniDent. OPEN FOR EVEN MORE VARIETY.



Export digital design data directly from the inLab SW 15.0\* CAD Removables module or as an .STL data set from a third-party system.



Design custom, solid abutments and screw retained bridges of titanium and cobalt-chromium directly in the new implantology module of your inLab SW 15.0\*.



Using orthodontic analysis and planning software (for example ONYXCEPH<sup>3</sup>™), orthodontic treatment can be analyzed, planned and prepared based on an intraoral scan.



**inDividual PF.** Because conventional casting technology just doesn't fit for CAD/CAM. Time-saving, cost-efficient production of removable dentures made of cobalt-chromium using a laser sintering technique with infinidDent. Due to an optimized production process, only minimal manual follow-up effort is required in the lab.



**inDividual TI/NPM.** Precision does not need to be expensive. Using validated processes infinidDent produces your design data with CE-certified materials – with no extra costs for additional software or time-consuming training.



**Ortho SL.** Whenever orthodontic work needs a good basis. Production of precise resin models as the basis for orthodontic work from digital impression data received from Sirona or third-party systems.

## OPEN MILLING CENTER

As an open digital service provider, infinidDent has always processed different open data formats. This means you can send us digital data designed using other CAD software in addition to your Sirona formats.

infinidDent is a validated “Authorized Milling Partner” of Ivoclar Vivadent AG, “Authorized Milling Center” of VITA Zahnfabrik and DIN ISO 13485:2012 certified.



► For more information visit [www.infinidentservices.com](http://www.infinidentservices.com) or contact our dental customer service at +49 (0) 61 51-39 61 818 or [service@infinidentservices.com](mailto:service@infinidentservices.com)  
Note: infinidDent is not available in all countries.





# inFire HTC speed – THE FASTEST SINTER FURNACE.

The high-temperature furnace is suitable for all sintering materials that can be processed by the inLab production machines. It features additional speed sintering programs and also enables non-precious metals to be sintered – all in a single furnace chamber.

## SINTERING CERAMICS AND SINTERED METAL 2 IN 1:

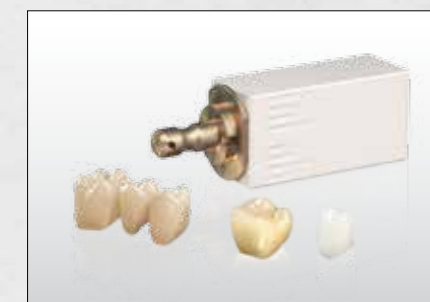
- For sintering ceramic and pre-sintered non-precious metal in one furnace
- Pre-programmed for the sintering materials from Sirona and its material partners
- A special sinter cover is included in the package

## TIME AND COST BENEFITS

- Only 60 minutes for speed sintering of zirconium oxide frameworks and bridges
- Only 10 minutes for Superspeed sintering of zirconium oxide copings and crowns\*
- Time function for "overnight sintering"
- Simultaneous sintering of up to 60 units

## MAXIMUM FREEDOM

- Speed and Superspeed programs or conventional slow sintering
- Regular sintering programs for ceramics from the most important manufacturers of dental materials
- Free programming for slow and speed sintering
- Sintering with pre-drying



Switch on – load – select program – start sintering process. The **inFire HTC speed with Superspeed** is especially easy to operate. In addition to conventional sintering, crowns, copings, bridges and frameworks of zirconium oxide can be sintered using reduced speed sintering processes if needed.



In the furnace version of **inFire HTC speed with Superspeed and Metal**, the sintering furnace can be prepared within just a few seconds for sintering pre-sintered non-precious metal under a protective gas atmosphere. The inCoris CC sintering metal from Sirona is first processed on the inLab milling unit in enlarged form as in the zirconium oxide method and then compacted by sintering under an argon atmosphere.

## inFire HTC speed with Superspeed and metal option (EU)

inFire HTC speed	Data
Accessories	<ul style="list-style-type: none"> <li>Speed sintering tray, rack and fork for the sintering tray</li> <li>Zirconium oxide sintering beads</li> <li>Superspeed crucible, Superspeed cover, crucible fork, fireproof crucible rack</li> </ul>
Options	<ul style="list-style-type: none"> <li>Non-precious metal sintering beads</li> <li>Sintering tray system for inCoris CC non-precious metal</li> <li>Argon gas management</li> </ul>
Program types	<ul style="list-style-type: none"> <li>Speed</li> <li>Superspeed</li> <li>Conventional sintering</li> <li>Pre-drying and speed sintering</li> <li>Custom programming for pre-drying</li> <li>Service program (cleaning the furnace chamber and regenerating the silicon oxide coating of the heating elements)</li> <li>Auto-start function</li> </ul>
Dimensions (W x H x D)	500 x 802 x 565 mm
Weight	80 kg
Supply voltage	200–240 V
Mains frequency	50/60 Hz
Nominal power	2500 W
Maximum sintering temperature	1.650°C

NEW  
DESIGN

\* Net sintering time for inCoris TZI and inCoris ZI.

See the CAD/CAM material brochure for more details on the complete range of materials or visit [www.sirona.com](http://www.sirona.com) or alternatively contact your Sirona dealer.



# CAD/CAM MATERIALS – QUALITY GUARANTEED.

inLab MC X5 and inLab MC XL lab units cover now and in the future a wide range of indications. You are further supported with the broadest selection of materials on the market. Whether blocks or disks – you have a completely free choice of materials. Sirona and their renowned Sirona material partners continually develop new materials which are totally compatible with inLab milling and grinding strategies – ensuring reliable, high-quality results.



Everything from a single source. Sirona continually extends the CAD/CAM material range and offers high-performance materials and additional CAD/CAM accessories that meet the highest standards of quality and processing for lab production.



**CEREC Blocs C and CEREC Blocs C PC**  
Feldspar ceramic in classical colors for inlays, onlays, veneers, and full crowns. Polychromatic version (PC) for natural enamel-dentin-cervical layering.



**CEREC Blocs C In**  
Blocks for anterior tooth restorations with an inner high-chromatic dentin core covered by a translucent layer of enamel.



**inCoris**  
Classical zirconium oxide (ZI), translucent (TZI), and pre-shaded translucent zirconium oxide (TZI C) for frameworks and veneered restorations.



**inCoris CC**  
Sintered metal on the basis of a CoCr alloy for NPM restorations.



**Sirona TiBase**  
Sirona titanium base for custom abutments. Available for various implant systems together with a scanbody and abutment screw.



**NEW:** Sirona disks for zirconium oxide, PMMA and sintered metal for production with inLab MC X5.\*

## WE TAKE QUALITY SERIOUSLY.



### THE BEST QUALITY LABEL IS A GUARANTEE OF:

- High-performance materials to meet the most stringent demands in terms of machinability and precision
- Unrestricted compatibility with the Sirona milling units
- Direct material selection in the inLab software

Every Sirona CAD/CAM material contains Best Quality Label stickers that can be used to label the high quality of the premium products used by the dental technician. A seal of quality for patient and dentist.



### SUPERSPEED AUTHORIZED

- Materials with this label are approved for the Speed and Superspeed functions of the inFire HTC speed
- inCoris ZI, inCoris TZI, and inCoris TZI C are approved for speed sintering
- inCoris ZI and inCoris TZI are approved for Superspeed sintering
- CE- and FDA-approved



# SIRONA CONNECT – DIGITAL IMPRESSIONS.

Sirona Connect is the ideal solution to scan digital impressions in the dental practice and then immediate direct transmission of this digital model data to the dental laboratory. Every dental practice has its own requirements and the choice between the best intraoral scanners on the market.

## APOLLO DI

APOLLO DI is a specially developed intraoral scanner that sends data to the dental lab only via the Sirona Connect portal. The low catalog price and waiver of additional scan fees makes APOLLO DI a truly cost-effective option.

- Easy handling with a multitouch screen
- NEW: Including implant impressions
- Small and with one of the lightest cameras with a weight of approx. 100 g
- No additional costs

## CEREC AC Connect WITH CEREC Omnicam

The sensation in the CAD/CAM camera sector makes scanning easier, more intuitive and more ergonomic than ever before.

- Easy handling
- Powder-free impressions
- Flowing imaging technique also for implant impressions
- Precise impression data in natural colors
- No additional costs



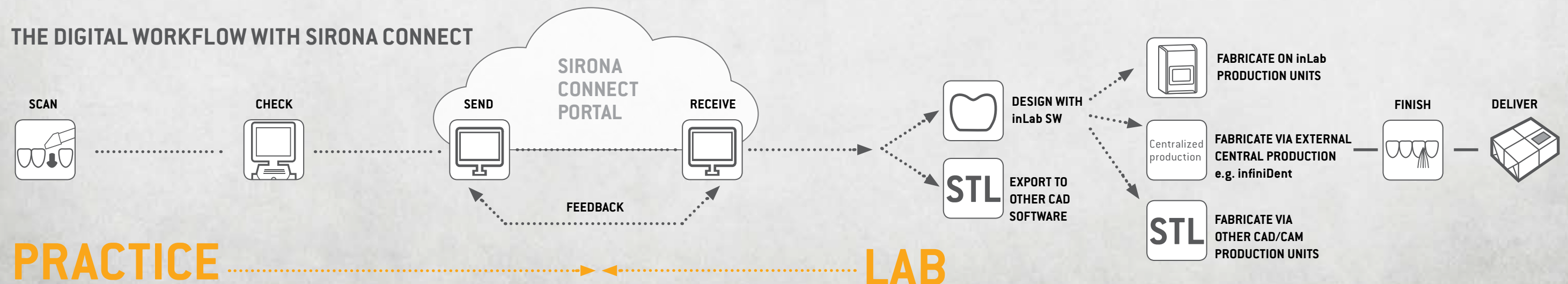
## TECHNICAL DATA

Performance characteristics	APOLLO DI	CEREC AC Connect with Omnicam
Advantages	<ul style="list-style-type: none"> <li>Screen with multitouch control</li> <li>New: Implant impressions with an intraoral scanbody*</li> </ul>	<ul style="list-style-type: none"> <li>Color display facilitates differentiation between tooth and gingiva</li> <li>Implant impressions using an intraoral scanbody</li> <li>Natural color 3D display</li> </ul>
Interfaces	STL export in the lab	STL export in the lab
Imaging process	<ul style="list-style-type: none"> <li>Filming</li> <li>A fluid imaging technique captures data continuously (no blurred images).</li> </ul>	
Distance to tooth	The camera is moved over the tooth surface at a distance of 2–20 mm.	The camera is moved over the tooth surface at a distance of 0–15 mm.
Camera dimensions	<ul style="list-style-type: none"> <li>Overall length: 220 mm</li> <li>Length of the camera sleeve: 64 mm</li> <li>Height and width of the tip: 18.5 mm x 23 mm</li> </ul>	<ul style="list-style-type: none"> <li>Overall length: 228 mm</li> <li>Length of the camera sleeve: 108 mm</li> <li>Height and width of the tip: 16 mm x 16 mm</li> </ul>
Camera weight	100 g	313 g
Powder-free	Requires APOLLO DI SpeedSpray	■
Device dimensions (H x W x D)	117 cm x 64 cm x 45 cm	121 cm x 36 cm x 47 cm
Device weight	Approx. 30 kg	Approx. 43 kg
Monitor	21,5", 1.920 x 1.080 pixel monitor resolution	19", 1.280 x 1.024 pixel monitor resolution
Power supply	<ul style="list-style-type: none"> <li>Standard power supply (100–240 V, 50/60 Hz)</li> </ul>	<ul style="list-style-type: none"> <li>Standard mains power supply (100–230 V, 50/60 Hz)</li> <li>Optional: Uninterruptible power supply (temporary battery)</li> </ul>
Network connection	<ul style="list-style-type: none"> <li>WLAN</li> </ul>	<ul style="list-style-type: none"> <li>LAN and WLAN</li> </ul>
Scanning software	Sirona Connect SW <ul style="list-style-type: none"> <li>Acquisition of preparation, antagonist and bite situation</li> <li>Computation of the 3D model</li> <li>Draw preparation margin.</li> <li>Link to Sirona Connect portal</li> </ul>	
Data format	.dxd via Sirona Connect portal	
Sirona Connect portal	Requirements: Internet connection, email address, one-time registration at <a href="http://www.sirona-connect.net">www.sirona-connect.net</a>	
Lab software	Via the Sirona Connect portal, the digital model data in the inLab software are opened for further processing with inLab software or STL export.	

\* Anticipated to be available from summer 2015

Subject to technical modifications.

## THE DIGITAL WORKFLOW WITH SIRONA CONNECT



PRACTICE ..... LAB



# inLab SYSTEM – DENTAL LAB FREEDOM OF CHOICE.





# ALWAYS AT THE FOREFRONT OF INNOVATION!

As global innovation leader for dental equipment, we continuously invest in research and thus in the future of modern dentistry. By networking digital technologies with integrated solutions and optimizing the treatment workflow, we create improved treatment results, more comfort and safety for the patient as well as time and cost savings in everyday work. The combination of constant innovative power and globally growing sales and service structures makes Sirona the global market leader trusted by thousands of practices and labs around the world. **Enjoy every day. With Sirona.**

Subject to technical changes and errors in the text, Order No. A91100-M43-B884-01-7600, Printed in Germany, Dispo-No. 04605, OEWS 15 WS 02/15.V0



#### **CAD/CAM systems**

From pioneer to new standard. For almost 30 years we have been developing digital dentistry and creating new possibilities for the future practice and lab.



#### **Imaging systems**

Best image quality with the lowest dose. More than 100 years of developing x-rays for the dental practice make us the number 1 innovation partner.



#### **Treatment centers**

The business card of modern practices. We are striving to create the ideal ergonomic and innovative center. Individually tailored to the well-being and demands of the patient and dentist.



#### **Instruments**

Advantages that speak for themselves. We make sure that we provide the right balance of proven quality, individual ergonomics and innovative technology for user-friendly work.



#### **Hygiene systems**

Competence that gives you safety. When it comes to hygiene in the practice, we do not take any shortcuts.

The Dental Company

**sirona.**