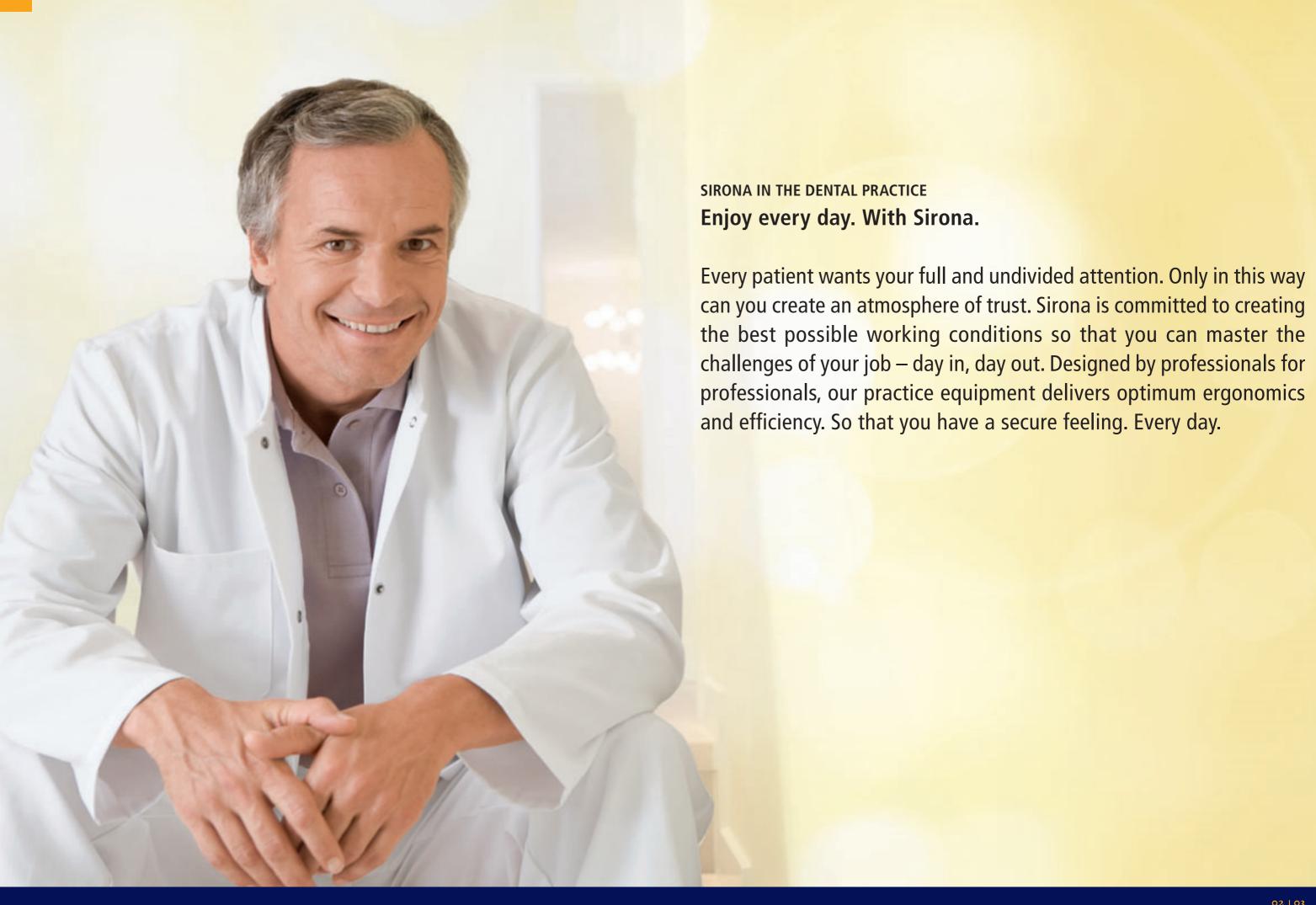


sirona.



PRODUCT OVERVIEW

You face new challenges every day. Our products are designed to help you.

Sirona determines the pace and sets the trends in the dental equipment market. In virtually all market segments, Sirona sets the standards in quality, user-friendliness and practical utility.



Treatment centers

Your visiting card.

Page 6

Instruments and hygiene systems

Putting innovations at your fingertips.

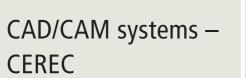
Page 12

Seeing things you've never seen before.

Imaging

systems

Page 20



From vision to reality.

Page 28

CAD/CAM systems – inLab

Stepping stones to success.

Page 34













High-end models with the unique motor-driven parallel track.

One clear concept – three versions.



TENEO - the new shape of simplicity

This innovative treatment center is based on the dependable, classic Sirona functions: the motor-driven and programmable parallel track and the enhanced flexible positionability of the assistant element. Stability and high load capacity are achieved via the new elevation system.

Ease of use

- EasyTouch user interface: simple and intuitive operation. Control of the patient communication system
- Integrated endodontics and implantology functions: no more table units
- Wireless foot control: freely positionable

Patient comfort

- Lift drive: easy entry and new ergonomic movement sequences.
- New motor-driven headrest: especially pleasant positioning of the patient's Swivelling, height-adjustable assistant
- Special thermo upholstery, massage and active lumbar support functions

Reliability

- PC control via EasyTouch and USB port:Separate control panel for the intraoral equipped for the future
- Remote diagnosis: for fast and efficient service



M1+ - a familiar operating concept

The user-friendly M1+ is the outcome of intensive cooperation between dental practitioners and the Sirona product development team. M1 users feel at home immediately: intuitive operation via the familiar control panel; robust right-angled support arm; compact dimensions (identical to those of the previous M1 model).

Familiar control concept

- Intuitive control concept (each control key has one clearly defined function)
- M1 foot control
- Chair functions controlled via four-way switch and the control switches on the headrest

Compact and robust

- Right-angled aluminium support arm
- element

State-of-the-art convenience

- Programmable motor-driven dentist element and headrest
- camera
- Swivelling cuspidor with automatic retraction function



C2+ – the premium classic

This comfortable treatment center is a classic when it comes to ergonomics and design: two modes of operation are possible: "hands-on" via control keys; and "hands-free" via cursor and foot control. The ideal choice for existing M1 users and dentists who attach top priority to flexibility and convenience.

Ergonomic and hygienic

- Option of hands-free operation
- Treatment center predicts the next treatment step

Timeless, modern design

- Dynamic lines with trapezoid support arm
- Sophisticated cursor-based LED control panel

Convenient operation

- Programmable motor-driven dentist's
- Infinitely adjustable parallel track for assistant element
- Programmable motor-driven headrest
- Swivelling cuspidor with automatic retraction function



The ideal solution for dentists who work alone and/or value the added convenience of spring-loaded hose supports. The hose supports are fitted with an additional link to permit an extended operating radius.

Convenient working

- Multilink hose support gives the dentist an extended operating radius
- Self-explanatory C+ foot control, optionally as wireless foot control
- Choice of broad or narrow backrest, thermo upholstery (optional)

Ideal for two-handed or four-handed treatment

- Automatic hose retraction
- Assistant element with extended support

Flexibility

- Wide range of options, e.g. motor-driven or MultiMotion headrest, swivelling cuspidor
- Option of integrating the SIROCAM C or SIROCAM 3 intraoral camera



The C4⁺ is designed with subsequent upgrades in mind and "grows" in line with the dentist's changing requirements. It offers clear ergonomic benefits (e.g. manually operated parallel track) and is ideal for two-handed and four-handed treatment.

Convenient, effective working

- Manually adjustable parallel track for dentist's element
- Self-explanatory C+ foot control, optionally as wireless foot control
- Choice of broad or narrow backrest, thermo upholstery (optional)

Ideal for two-handed or four-handed treatment

- Automatic hose retraction
- Choice of long or short support arm for the assistant's element

Flexibility

- Wide range of options, e. g. motor-driven or MultiMotion headrest, swivelling
- Option of integrating the SIROCAM C or SIROCAM 3 intraoral camera



In combination with the "Turn" option, this OTP treatment center is ideally suited to righthanders and left-handers. This feature – plus the compact dimensions of the C5+ - make it the first choice for small treatment rooms.

For right-handers and left-handers

- Conversion can be carried out by one person quickly and without the need to dismantle any parts
- Identical working conditions for righthanders and left-handers
- "Turn" option does not require any additional space

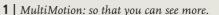
Convenient working

- Independent positioning of tray and dentist's element
- Self-explanatory C+ foot control, optionally as wireless foot control
- Choice of broad or narrow backrest, thermo upholstery (optional)

Flexibility

- Various support arms available for the assistant's element
- Various upgrade options (e.g. motordriven or MultiMotion headrest, swivelling cuspidor)
- Option of integrating the SIROCAM C or SIROCAM 3 intraoral camera





2 | Motor-driven headrest: hands-free, programmable and hygienic.

3 | *LEDview at TENEO*, *C*₃⁺, *C*₄⁺, *C*₅⁺



Treatment centers – tailored to individual ways of working.

Efficient communication and counselling.



C8+ – designed for future requirements

The modular design concept enables dentists to upgrade the C8+ treatment centre in line with changing requirements. This results in greater flexibility and a sound long-term investment – without any compromises in terms of ergonomics and aesthetics.

Flexibility

- One concept, 4 different versions: hanging hoses, whip arm system, cart, stand-alone cart
- Extensive list of add-on options

Integration

- All the treatment functions are activated via a single foot control
- Patient communication system flexibly integratable

Convincing ergonomic benefits for twohanded and four-handed treatment

- Optimum workflows due to reduced number of controls
- Entire treatment centre can be rotated (Turn Version)

Optimum infection control

- Optional disinfection unit
- Easy-to-clean surfaces

Quality

Premium materials and German quality make C8⁺ a real workhorse



HUGO – the intelligent working stool for your practice

HUGO, the working stool from Sirona, is the basis for working ergonomically. It combines unique technologies that make it optimally tailored to your individual needs. By promoting an intuitive, ergonomic sitting position, HUGO automatically helps you assume the correct posture again and again during treatment. The working stool makes work more pleasant and enhances your well-being. Dynamic, comfortable and flexible – perfectly rounding out your treatment center.

This means:

- Sophisticated design delivers optimum freedom of movement and outstanding comfort
- With the dynamic backrest your spine is automatically straightened, thus eliminating the risk of muscle strain
- OptiMotion flexible inclination of the front left and right halves of the seat
- Thermo upholstery that dissipates body heat when seated
- Designed with gas springs of varying length, depending on the user's stature
- Height adjustment optionally via footrelease – "freehand" version (right stool in photo)
- Optionally with foot ring for compensating differences in stature between dentist and assistant – "Manual Plus" version (center stool in photo)



Simulation workstations – practiceoriented training

The Sirona simulation workstations boast exactly the same user-friendly features as modern dental treatment centers. They are ideal for preclinical, clinical and further-training applications.

High degree of flexibility

- Custom-made
- Individually tailored to user requirements
- Ideal for preclinical, clinical and furthertraining activities

Healthy and ergonomic working

- Effective dust extraction ensures a healthy working environment
- Realistic simulation of treatment situations encourages students to adopt ergonomic working methods from the outset (product components are identical to those found in "real-life" treatment centers).

SIVISION 3 – the modular chairside patient communication system

Communication with patients is playing an increasingly important role in modern dentistry. In-depth counselling on the basis of digital images is a reliable way to boost patient confidence. Ideally, counselling should take place directly at the chairside as an integral part of the treatment process. The benefits are two-fold: enhanced patient loyalty; plus greater efficiency and increased practice earnings.

Flexible integration, efficient counselling

- Three different cameras: SIROCAM C, SIROCAM 3 and SiroCam digital
- Four different camera positions: integrated into the dentist element; mounted on a separate holder; mounted on the assistant element; as a compact solution for the SIROCAM 3 and SIROCAM C versions
- Two different medically approved monitors: either 15" or 19", each with a protective glass shield
- Three different mounting options for the monitor: on the light support column, on the tray or on the SIVISION support arm
- Stand-alone or PC mode

Effective networking

- Direct integration into the practice computer network (Ethernet interface for TENEO)
- Possibility of integrating other digital imaging systems, connection of USB-based systems via a USB port (for TENEO only)
- Operation of the camera via foot control switch or push-buttons (the M1+ has a separate control panel) or the EasyTouch user interface

Systems integration

- Optimum conditions for efficient and ergonomic workflows (for further information, see page 30.)
- Integration of endodontics function or implantology optional for TENEO







SIROCAM 3 – one of the best cameras on the market

- Titanium housing
- High-resolution four-image memory
- Three focal ranges for a complete spectrum of applications
- Excellent illumination thanks to seven white light LEDs
- Sophisticated lens design for an excellent depth of field

SIROCAM C – the competitively priced alternative

Plastic housing

- Four-image memory
- Two focal ranges (perfect for patient counselling and education)
- Uniform illumination thanks to six white light LEDs

SiroCam digital –

the fully digital intraoral camera (for TENEO only)

- Plastic housing
- Up to 100-fold magnification
- 3 sharp focus zones (full-face, tooth and macro images)
- Ideal illumination via 6 bright LEDs
- Perfect practice networking via the Ethernet interface (controlled easily and directly from the EasyTouch user interface)

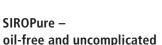


INSTRUMENTS AND HYGIENE SYSTEMS Putting innovations at your fingertips.

Perfect ergonomics, outstanding durability and maximum clinical reliability – these are the defining characteristics of the Sirona handpieces and instruments. They are geared to a complete spectrum of indications. In the area of cavity preparation, you can treat all five cavity classes according to Black. In the area of endodontics, our portfolio includes contra-angle handpieces, starter kits, ultrasonic scalers (plus matching tips), as well as the compact and powerful SIROLaser Advance. These products cater for every treatment step – from mechanical and chemical preparation of root canals to retrograde root treatment. In the area of preventive care, you and your assistant have a complete spectrum of instruments at your fingertips. Finally, the Sirona handpiece portfolio is augmented by a variety of efficient cleaning and sterilization systems. In short, Sirona is the first choice for every treatment situation.

Equipment – versatility coupled with specialization.





SIROPure makes instrument care much easier – because you can sterilize SIROPure straight and contra-angle handpieces and highspeed handpieces immediately after treatment without having to oil them first. Experience the simple care of SIROPure instruments and your patients' satisfaction - and find out for yourself just how uncomplicated treatment can be with SIROPure!

SIROPure straight and contra-angle handpieces perfect ergonomics through a unique concept

- Standard or mini-head the choice is yours!
- Two interfaces are available: The ISO/INTRAmatic Lux interface for all popular micromotors or the Sirona interface for operation with the Sirona SL/BL motor

SIROPure high-speed handpieces – high power for any

- Three different head versions are available: CONTROL, Racer and
- The Click&Go interface enables you to operate the appropriate high-speed handpiece flexibly on all conventional quick couplings

Hygiene

- Completely sterilizable
- Smooth, biocompatible titanium sleeve
- Sterilization-resistant light guide with 25,000 lux

Sirona offers you a full warranty on all SIROPure instruments even if you have inadvertently oiled them!



T1. T2. T3 high-speed handpieces to suit every individual need

Each individual member of the high-speed handpiece family, T1, T2 and T3, will leave no doubt in your mind with respect to their quality, hygienic properties, design and ergonomics. We offer you the high-speed handpiece that suits your demands. Find out for yourself!

T1 CONTROL/mini – the premium class

Turns work into fun: Top quality, solid titanium sleeve, perfect design and first-class handling.

T2 CONTROL/Racer/mini – the comfort class

Enhances working pleasure through: top quality, titanium-coated sleeve, high-quality design and relaxed operation.

T3 Racer/mini – the economy class

Concentrating on the essentials: Good quality at a small price, without light, robust, chrome-plated surface and functional design.

T1/T2 CONTROL function – for consistent top performance

- The patented controlled speed is ideal for cutting operation, thus enabling continuous preparation while avoiding thermal damage
- Pleasantly quiet
- Vibration-free preparation
- Two-year warranty

Click&Go interface

Using the Click&Go interface, the appropriate high-speed handpiece can be operated on all popular quick couplings.



T1 CLASSIC ergonomics is only effective if you don't notice it

The T1 CLASSIC makes preparation easy in every respect. The motor is inserted in the ergonomically long solid-titanium sleeve, thus shifting the center of gravity directly to your hand. This enables you to perform effortless and fatigue-free work. Of course, the standard contra-angle handpieces are also available with extra small miniheads.

Ergonomics – simply unrivaled

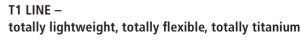
- Stress-free work due to the lightweight and balanced design of the instrument and the positioning of the SL or BL motor in the
- Naturally pleasant grip due to the high-quality titanium sleeve
- Perfect instrument guidance due to the smooth form without any

Product line – always optimally prepared

- Straight and contra-angle handpieces for all dental challenges
- The standard contra-angle handpiece program also includes minihead versions for optimal access in the molar region as well

Hygiene – hygienically perfect

- Completely sterilizable
- Smooth, biocompatible titanium surface
- Sterilization-resistant light guide with 25,000 lux



T1 LINE is the lightweight, compact and robust straight and contraangle handpiece program that is unrivaled in ergonomics, design, hygiene and many other areas. Thanks to the practical ISO interface, the straight and contra-angle handpieces can be connected to all popular micromotors. The wide range of dental applications offered by the T1 LINE is bound to satisfy all of your demands.

Ergonomics – so light, so good

- Stress-free work through the lightweight and balanced design of
- Naturally pleasant grip due to the high-quality titanium sleeve
- Perfect instrument guidance due to the smooth form without any

Product line – equipped to meet all demands

- Large selection for a wide variety of applications
- Mini-head versions also available for an enhanced view of the preparation site
- Versions with/without light guide
- ISO interface for free motor selection

Hygiene – simply more hygienic

- Completely sterilizable
- Smooth, biocompatible surface
- Sterilization-resistant light guide with 25,000 lux











Equipment – versatility coupled with specialization.











SIRONiTi Apex/SIRONiTi Air+ – Endodontics made quick and efficient

The SIRONiTi Apex and SIRONiTi Air+ contraangle handpieces enable safe and efficient preparation of the root canal. Both of them are equipped with a five-step torque control limiter and the added Torque Cards indicate the torque step suitable for each particular file of the selected file system. Retrorotation prevents blocking of the file in the root ca-

SIRONiTi Apex can be connected directly to an electronic apex locator with a gold clip. SIRONiTi Air+ can be connected either to an air motor or to an electric motor and can be used for file systems with a higher permissible speed range.

Product line – everything revolves around perfection

- Contra-angle handpieces for electric or air motors
- ISO interface for free micromotor selection
- For all popular nickel-titanium file systems with a 2.35 mm shaft diameter
- Torque Cards indicating the torque step suitable for each particular file of the selected file system

Hygiene – a clean solution

 Completely sterilizable in the autoclave at up to 135°C

SIROEndo – the endodontic unit for adaptation to the treatment center

SIROEndo is the first electronic root canal treatment device that is universally adaptable to any treatment center. SIROEndo enables the practical use of all popular nickel-titanium file systems and guarantees that you will enjoy maximum working efficiency and optimal operating comfort.

Flexibility – for more comfort

- Directly adaptable to any treatment center, regardless of the manufacturer
- Swiveling support arm system for immediate availability
- Alternative: Practical wall holder for flexible integration in practice handling – Precision that gives you certainty
- Integrated apex locator for optimal measuring accuracy when determining the length of the root canal
- The micromotor's direction of rotation reverses if the permissible torque is exceeded to prevent file breakage
- File library for individual file selection
- Visual and acoustic signals for safe monitoring during preparation
- Individual user and instrument data can be saved
- Clearly arranged user interface
- Sterilizable motor

SIROEndo Pocket – the mobile endodontic unit

You can easily use this compact, batterypowered unit wherever and whenever you need it. Furthermore, it also features an integrated apex locator and a file library. We also paid special attention to ease of use. From flexible tilting of the display to custom language settings.

Flexibility – wireless treatment

- For endodontic treatment in multiple treatment rooms
- SIROEndo Pocket is equipped with a storage battery (operating time: approx.
 2 hrs.)
- It can be used while the battery is being charged

Handling – safety to go

- Integrated apex locator for optimal measuring accuracy when determining the length of the root canal
- The micromotor's direction of rotation reverses if the permissible torque is exceeded to prevent file breakage
- File library for individual file selection
- Visual and acoustic signals for safe monitoring during preparation
- Individual user and instrument data can be saved
- Intuitive operation
- Sterilizable motor

SIROLaser Advance – inspired by intuition

Experience the new dimension of laser therapy. Benefit from this unique concept of intuitive user navigation, quick-to-use preset treatment programmes and individual configuration possibilities. And experience the flexible and easy release of the finger switch or the wireless foot control.

Intuitive handling

- Navigation via touchscreen
- Clearly structured user prompting
- Self-explanatory menu icons

Immediate treatment

- Most important applications preset as therapy programmes
- Help menu for each preset programme for the less experienced

Individual customization

- 24 freely programmable applications
- Hotkeys for 12 favourites
- Up to 6 user profiles
- Separate access code for each user
- Data storage for every treatment and all users

Versatile operation

- Battery operation for maximum mobility
- Ergonomic handpiece with seemlessly activated finger switch
- Optional: wireless foot control
- Flexible, rotatable single-use tips

PerioScan – diagnosis and treatment all-in-one

PerioScan offers you ideal perspectives: It is the first ultrasonic unit with a tactile perception. PerioScan not only removes calculus, but also detects it without harming the healthy tooth structure, accurately and reliably, even in subgingival regions.

Maximum reliability

- Visual and acoustic signals
- Avoidance of inadequate or excessive treatment
- Diagnosis and treatment with only one instrument
- Extremely gentle

Greater efficiency and success

- Frequently eliminates the need for painful flap surgeries
- Increased patient satisfaction

Wide-ranging applications

- Periodontics
- Scaling
- Micropreparation
- Filling therapy
- Endodontics
- Retrograde root treatment



PerioScan indicates both optically and, if you wish, acoustically the location of calculus during the treatment. The change in colour is also indicated on an illustration of a tooth visible on the PerioScan display screen.

Equipment – versatility coupled with specialization.



SIROSONIC/L and SIROSONIC TL – for high-tech ultrasonic applications

Their reliable power regulator and the large variety of tips allow the SIROSONIC handpieces to be used as well for highly sensitive periodontal treatment as for micropreparation. The "L" version boasts powerful ring illumination for optimum visibility at the preparation site

Highly versatile

- Prophylactic and periodontic treatment applications
- Preparation of root canals (also retrograde)
- Preparation of cavities
- Fast and gentle insertion of inlays

Full control

- Electronic power regulation
- Direct adjustment of the water flow via the handpiece
- High cavitation effect at the instrument tip
- Controlled straight-line oscillations

Optimum infection control

- Handpiece and tips can be autoclaved
- Possibility of using an external spray supply



SIROAIR L - the high-power air scaler

The air-powered SIROAIR L handpiece is a highly effective tool for removing accretions and calculus. The highest power setting – higher than the normal range – ensures maximum abrasive performance. These innovative product features are available at an exceptionally competitive price.

Perfect combination

- Three tips for scaling and periodontic treatment respectively
- Connects directly to the Sirona handpiece coupling

Effective and safe

- Three power settings directly selectable on the handpiece
- Highest setting protected by a special safety mechanism
- Spray adjustment via the quick coupling
- High-power ring illumination

Simple and quiet

- Handpiece is easy to grip and freely rotatable
- Simple cleaning, care and sterilization
- Low noise levels foster patient well-being

Hygiene systems – a prerequisite for effective infection control.



DAC UNIVERSAL – the universal combination autoclave

Cleaning, care and sterilization in just 12 minutes!

With the help of the DAC UNIVERSAL combination autoclave, you can clean, lubricate and sterilize six dental handpieces (from different manufacturers) in just 12 minutes. The system complies with Class S of EN 13060 (the European standard governing small-sized sterilizers).

Thorough internal and external cleaning

- Just two cycles: cold water cycle (pulse wash) followed by a hot water cycle
- Handpieces that are regularly cleaned and lubricated are less likely to need repairs
- Significantly extended lifetime of instruments

Professional care

- Fully automatic
- Always the correct oil quantity
- No lubrication and maintenance errors
- Reduced workload for practice staff

Safe and reliable

- Complies with the relevant legal requirements
- Enhanced infection control standards in the practice
- Reduced risk of cross contamination
- Printer-based documentation



NITRASEAL – the quick and convenient wrapping system

Handpieces that are used for invasive procedures should be wrapped prior to storage and transport. This ensures that they remain sterile for a prolonged period.

- Constant 10-mm-wide weld seam
- Continuous control of the heating element temperature
- Autostart function with acoustic and visual warning messages
- Automatic timing dependent on the temperature of the heating element
- Automatic blade retraction system
- Compact design, plus smooth surfaces (hygienic and easy to clean)



DAC PROFESSIONAL – the professional vacuum autoclave

Professional and fast

The Sirona DAC PROFESSIONAL complies with the stringent requirements for smallsized sterilizers laid down in EN 13060 Class B.

Safe and reliable

- Complies with the relevant legal requirements
- Enhanced infection control standards in the practice
- Reduced risk of cross contamination
- Printer-based and software-based documentation

Efficient

- Easy to operate (minimum likelihood of errors)
- Quick sterilization cycle (10 minutes plus drying time)
- Active preheating function reduces the cycle times
- Automatic monitoring of the freshwater supply prevents interruptions as well as any damage to the instruments

Simple

- Compact design with built-in freshwater and wastewater tanks
- Easy to install: all that is required is a main power supply



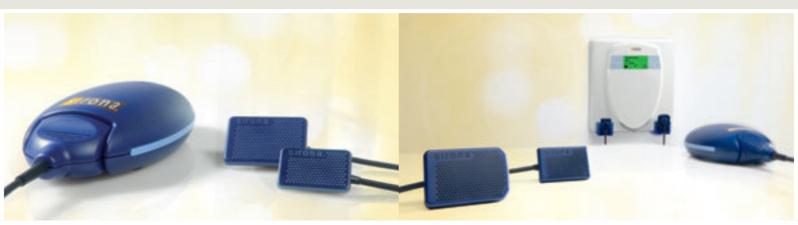
IMAGING SYSTEMS

Seeing things you've never seen before.

Our imaging systems are always a step ahead of the times. The latest example is the GALILEOS 3D imaging system. Superior diagnostics with minimal dose and a perfect workflow: in just a few minutes, it generates a complete three-dimensional volume. The high-end ORTHOPHOS XG^{Plus} panoramic imaging system delivers unparalleled diagnostic accuracy — above all, in combination with the transverse layer imaging (TSA) function. The new HELIODENT^{Plus} intraoral X-ray tube assembly and the Sirona intraoral sensors fascinate users with their ease of handling and outstanding image quality.

Imaging systems – technical excellence founded on in-depth experience.







HELIODENTPlus - intraoral X-ray made easy

With HELIODENT^{Plus} intraoral X-rays can be produced fast and reliably. With its user-friendly operating interface, which can be understood intuitively at first glance, this intraoral X-ray system is consistently oriented toward the needs of your practice team.

Intuitive and safe operation

- Simple selection of the exposure time via tooth icons representing the different jaw regions
- Selection between film and digital X-ray as well as between different kV values at the touch of a button
- Multicolor display indicates the different system operating states

Time-tested image quality, ideal workflow

- The optional selection between 60 and 70 kV supplies first-class X-ray images with extremely fine detail resolution and high definition
- In conjunction with the Sirona sensors and the SIDEXIS XG software, HELIODENT^{Plus} supplies real-time digital images with numerous diagnostic and image processing tools

Flexible integration

Three selectable support arm lengths (short, long, extra long), suitable for any practice situation

Optimum image quality – the new XIOS intraoral sensors

This innovative USB-based sensor system delivers outstanding image quality, coupled with simple positioning and a high degree of versatility

Accurate diagnosis in just a few seconds

- Modern CMOS sensor technology for outstanding image quality
- USB-2 port for high-speed date transfer to the PC

Easy to use

- Very slim design, rounded edges, flat cable outlet
- Innovative thin sensor holder facilitates easy positioning

Versatile

- 2 sensor sizes
- Simple installation (plug & play)
- USB module can be used in different treatment rooms

XIOS^{Plus} – X-ray diagnostics as flexible and individual as your practice

With the option of choosing between USB and Ethernet mode, XIOS^{Plus} introduces an intelligently designed intraoral sensor system to the dental practice – with proven Sirona image quality.

Maximum flexibility

- Two versions to choose from
- The USB module can be used flexibly wherever it's needed at the moment
- The wall module can be comfortably integrated in the entire practice network

Ergonomic sensors

- Anatomically rounded corners and edges make the sensors comfortable to use
- Flat cable outlet and intelligent sensor holder system for easy positioning

SIDEXIS XG – digital imaging software for streamlined practice workflows

Thanks to its intuitive user interface, the SIDEXIS XG software provides the basis for optimum diagnostics. What's more, it interworks seamlessly with the other Sirona digital imaging systems (intraoral, panoramic and cephalometric imaging, as well as SIROCAM).

Rapid and convenient diagnostics

- Clearly structured documentation of diagnosis and treatment procedures
- Several measurements can be performed on a single image
- Patient-related data saving
- Numerous options for image data communication

Individual configuration options

- Customizable user interface
- Preselectable filter, brightness and contrast settings
- Numerous program extensions (plug-ins) available

Tailored to individual treatment procedures

- Retrieval and updating of case-related images, diagnosis data and annotations
- Numerous image processing options, e.g. longitudinal measurement, status library and visualization of implants

Imaging systems – technical excellence founded on in-depth experience.



Panoramic imaging opens up new horizons

The co-inventor of panoramic radiography, Sirona has consistently pioneered the application of digital panoramic and cephalometric technology.

More than 40,000 Sirona imaging units have now been installed worldwide. This provides the basis for a clear product philosophy dedicated to achieving the following goals:

- Optimum image quality
- Outstanding user-friendliness
- Maximum reliability

The defining characteristics of the Sirona panoramic imaging systems:

- Rapid and precise patient positioning (only two adjustments instead of three); perfect reproducibility of the patient's positioning (e.g. for follow-up exposures)
- Effective, comfortable patient fixing system prevents kinetic blurring
- Optimum radiation beam management, e.g. automatic kV increase to compensate for spinal column (= enhanced imaging of the posterior teeth)
- Diagnosis-oriented programs with specific layer characteristics and beam directions
- Simple operating steps save time, eliminate uncertainties and rule out diagnostic errors
- All the digital systems are network-capable. The film-based systems can be upgraded to digital technology at a later date



ORTHOPHOS XG^{Plus} DS and ORTHOPHOS XG^{Plus} DS Ceph – perfect digital radiography

This new-generation panoramic imaging system offers you a virtually unlimited spectrum of diagnostic options and features geared to future developments. Two versions are available which differ in terms of their imaging functions and programs. The "entry-level" configuration can be subsequently upgraded to the fully featured configuration described here.

Reliable diagnostics

- Choice of panoramic programs in relation to beam window and beam direction adjustment (artefact-free mode)
- Orthodontic programs (e.g. thick layer exposures of the anterior teeth), plus a dedicated children's program with a vertically limited beam field
- Automatic adjustment of the layers to the individual jaw width (= maximum sharpness)
- Optional transverse section (TSA) capability with convenient patient positioning
- Ceph version: four cephalometric programs. Lateral exposures with a choice of two image widths (18 or 29 cm)

Reliable operation

- Simple, intuitive operation via the "Easypad" touch screen
- Preview images displayed on the "Easypad"
- Automatic shutter changeover
- Automatic saving of the exposure parameters and positioning

Reliable return on investment

- Optimized workflows thanks to Quick Shot mode, adjustable cooling-down phase (= shorter exposure cycles), as well as pan/ ceph and pan/TSA switching without the need to exchange the sensor
- High-performance components and upgradeable software geared to future technological developments

ORTHOPHOS XG 5 DS and ORTHOPHOS XG 5 DS Ceph – the easy approach to digital panoramic radiography

These new high-tech panoramic imaging systems offer an interesting spectrum of diagnostic capabilities.

Precise diagnosis

- Specific panoramic programs: constant magnification; dedicated children's program with vertically and laterally limited beam field; TMJ; lateral, open/closed; sinus; multilayer program for the premolar region
- Ceph version offers a choice of two lateral image widths: 18 cm or 29 cm
- Outstanding image quality (sensor and high-frequency generator identical to those fitted to the ORTHOPHOS XG^{Plus} system)

Simple operation

- Convenient motor adjustment, clearly structured control pad
- Automatic shutter changeover
- Automatic saving of the positioning data and exposure parameters

Modern technology

High-performance components



Orthophos XG 3 DS – the basic model for digital panoramic X-ray

This basic model for the unspecialized dentist scores with its outstanding price-performance ratio.

- High image quality through reliable positioning and established technology
- Maximum operating ease through intuitive Multipad control, Sirona patient positioning and motor-driven adjustment of the unit height as well as the forehead and temple supports
- Comfortable diagnosis with SIDEXIS XG X-ray software

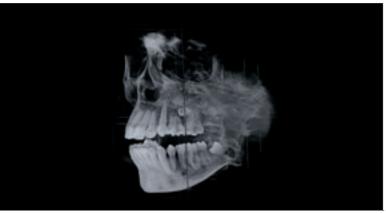


ORTHOPHOS 3 / ORTHOPHOS 3 Ceph – the entry-level Sirona film-based imaging system

The "smallest" member of the ORTHOPHOS family offers the user advanced Sirona technology at an attractive price.

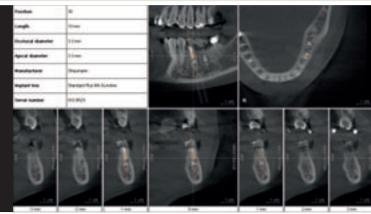
- Three panoramic programs
- Ceph version: four cephalometric programs
- Upgradeable to digital technology (ORTHOPHOS 3)

GALILEOS Comfort and GALILEOS Compact – the perfect solution for all diagnostic requirements.









3D technology for optimal diagnostic possibilities

With its outstanding image quality at low dose levels, intuitive operation and user-oriented workflow, GALILEOS sets the highest standards in dental 3D X-ray diagnostics — as clinically confirmed in numerous studies. GALILEOS presents the diagnostic future today in two versions. Decide for yourself which of them represents the best solution for you. In any case, you will profit from the significant advantages offered by your Sirona 3D solution.

Diagnostics for every need

With its numerous diagnostic possibilities, GALILEOS is the system of choice for all dental radiological applications.

One scan is enough

- Diagnostic significance for all dental indications
- Treatment certainty through fast location of asymptomatic findings
- Optimal program selection according to the clinical indication,
 e.g. high-contrast mode for perfect hard-tissue display at a constant low dose
- A single scan records the entire volume in less than 14 s
- Makes additional exposures obsolete

Simple and superior diagnostics

- Considerably higher diagnostic significance for all oral surgical applications
- Prevention of faulty diagnoses through three-dimensional display
- Clinically optimized user interface
- Extremely easy navigation and diagnosis within the 3D volume

Integrated workflow

- Fast implant planning and automatic creation of a planning report through intuitively structured, workflow-integrated planning software
- System-independent implant planning is possible, since all well-known implant systems are integrated in the software as realistic
 3D models
- Efficient work in only one software package from exposure to implant planning, incl. drilling template
- Eliminates time-consuming interaction between radiology, the dental laboratory and the dentist
- Unique viewer concept as success strategy for the referring dentist

Practice-oriented alternatives

With GALILEOS, an optimum clinical and economic solution tailored to the specific needs of the practice can be chosen: Comfort or Compact?

GALILEOS Compact

With GALILEOS Compact, Sirona offers a customized solution for implantology as well as 3D dental diagnostics. The PAN, TSA, LSA, axial sagittal and coronal slices and realistic 3D display of the entire volume satisfy every requirement of the implantology-oriented practice. The option of upgrading to the fully equipped GALILEOS Comfort makes every purchase decision a secure investment for the future.

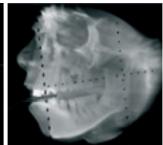
GALILEOS Comfort

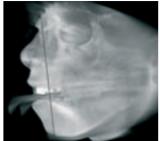
In addition to the benefits of the GALILEOS Compact, GALILEOS Comfort also features a large volume of (15x15x15) cm³, the intuitive Easypad control panel and extended diagnostic options such as tiltable slices, Ceph views and a high-resolution detailed reconstruction.

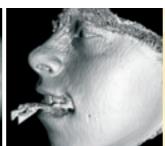


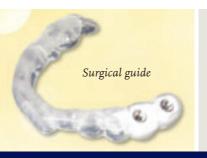


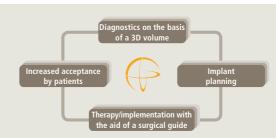












Sirona CADS – Computer Aided Dental Surgery So far diagnostics and implant planning have been a time-consuming process consisting of numerous steps – in some cases involving external third parties. This process has now been integrated – to the benefit of the dentistpatient relationship.



From vision to reality.

The chairside production of full ceramic restorations with CEREC in dental practices has now been proven for more than 20 years. A digital optical impression resulting in an optimal restoration is now state of the art dentistry. The new CEREC AC acquisition centre makes CAD/CAM even more precise, secure and user-friendly than ever. The innovative CEREC Bluecam camera technology and the new CEREC 3D software continue to set the standard in terms of precision and range of indications: from biogeneric restorations for natural occlusal surfaces for inlays, onlays to crowns through to long-term temporary 4 unit bridges. Sirona with its digital dental network CEREC Connect* offers you a direct connection to dental technical laboratories closing the last gap in modern CAD/CAM patient care.

^{*} CEREC Connect is currently available in the USA and will be introduced shortly into certain other countries.

CEREC -

the CAD/CAM system for the dental practice.



The CEREC system – chairside restorations with textbook precision

CEREC AC allows the dentist to produce all-ceramic inlays, onlays, veneers, partial crowns, crowns and now new long-term temporary bridges with up to 4 units directly chairside. The CEREC AC acquisition centre and the CEREC 3 milling unit can be connected via cable or wireless link. In the case of the CEREC MC XL milling unit, the user can choose between WLAN or LAN.

The CEREC AC acquisition centre in detail

- The acquisition centre consists of a PC, a flat panel 19" monitor, the precise CEREC Bluecam camera and CEREC 3D software
- The innovative optical lens system of the CEREC Bluecam using a powerful blue light emitting diode captures images with unprecedented precision
- Automatic image capture can acquire whole quadrants in a single procedure
- Uninterrupted power supply (UPS) is an option for improved workflow when changing between treatment rooms

The milling units in detail

- The fine diamond burs minimize milling times and produce a perfect marginal fit
- Tool wear is monitored prior to each milling process to ensure the utmost precision
- A sophisticated milling control system ensures the gentlest possible machining of the ceramic block
- CEREC is easy to integrate into the dental practice



CEREC Connect* - your direct link to the lab

The decision for CEREC is also a decision for the dental technician and his technical expertise. Then with CEREC Connect there is a fast, uncomplicated direct connection to the dental lab for a multitude of restorations.

Optimal workflow

- Digital optical impressions with CEREC Bluecam in the practice
- Computation of the 3-dimensional virtual models with the CEREC Connect software
- Data transfer via the CEREC Connect internet portal to the inLab partner lab
- If required the lab can order by infiniDent a physical model to produce the restoration
- Completion of the restoration in the lab and delivery to the dentist

The advantages at a glance

- Ideal introduction to CAD/CAM technology and digital impressions
- More patient comfort with optical impressions
- Avoidance of possible sources of error with conventional impressions
- Larger range of indications with lab precision (e.g. aesthetic anterior crowns, crowns from lithium disilicate; zircon oxide crowns – frameworks for veneering and temporaries)
- Lower costs



Either the proven CEREC 3 milling machine or the high-end CEREC MC XL – the choice is yours

Unrivalled precision

The CEREC MC XL delivers textbook precision in the range \pm 25 $\mu-$ ideal for creating all-ceramic molar crowns made of e.max CAD LT from Ivoclar Vivadent. Thanks to their inherent mechanical strength, these crowns can be conventionally cemented.

Shorter milling times

With the help of CEREC MC XL, you can perform individualized singletooth and quadrant restorations directly at the chairside and in just one treatment session. The spectrum includes all-ceramic crowns, as well as bridges made of VITA CAD-Temp.

Outstanding ease of use

The coloured illumination of the milling chamber and the clearly structured menus keep you informed about the current status of the milling process. Further highlights: LAN- and WLAN-compatible; network-capable; easy block clamping (no tools required); extremely quiet.



Prepared for the future

The CEREC MC XL has been designed to cater for future developments in computer aided dentistry – for example, long-span temporary bridges and chairside implant templates.

Absolute reliability

The CEREC MC XL is available with an optional second set of motors. In the event that one of the diamond burs breaks, the machine can continue milling without any intervention by the user.

The choice is yours

Select either the proven, competitively priced CEREC 3 milling unit, or the new CEREC MC XL, which offers enhanced features and ease

The CEREC AC processing steps

- 1. Create an optical impression with the help of the CEREC Bluecam 3D measuring camera
- 2. Design the restoration using the CEREC 3D software
- 3. Select an appropriate ceramic block available in a variety of different sizes and colour shades
- 4. Initiate the fully automatic milling process (4 10 minutes)
- Check the marginal and occlusal fit, perform any necessary polishing and/or individual characterization, then place the finished restoration

^{*} CEREC Connect is currently available in the USA and will be introduced shortly into certain other countries.







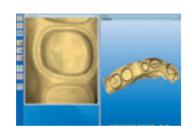
CEREC – the CAD/CAM system for the dental practice.



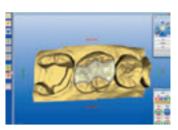
CEREC 3D – the software for CEREC

CEREC 3D brings your designs to life! This fascinating 3D design software is based on the principle of "what you see is what you get". All the relevant details can be viewed from different angles on the computer screen. Adapting the restoration to the adjacent teeth and the antagonists is child's play. In combination with CEREC Bluecam the CEREC 3D software offers you additional design possibilities to assist you to produce optimal restorations.

- Direct 3D visualization simplifies the design process
- Outstanding precision thanks to the optimized image processing functions and the automatic detection of the preparation margin
- Precise proximal contacts thanks to the automatic detection of the contact points and the exact adjustment of the contact strength
- Anatomical design of the occlusal surfaces with reference to the antagonists
- Rapid treatment of entire quadrants with the help of multiple images and the virtual placing of each restoration in turn
- Complete confidence in the finished result thanks to realistic 3D visualization, milling simulation function and visual warning as soon as the wall thickness reaches the critical minimum limit
- Extended range of indications including long-term temporary 4 unit bridges



Individual images are superimposed automatically to reproduce a quadrant.



Wide-ranging design possibilities in the Master Mode.



Adjustment of the strength and dimensions of the contacts.



Minimal wall thickness indicated.



Design of long-term temporary 4 unit bridges.

CEREC 3D – inlays, onlays, crowns, four unit bridges and veneers in natural perfection

With the help of the CEREC 3D software, you can create crowns as easily and cost-effectively as you can inlays. The inlays, onlays, crowns and and temporary bridges are adapted automatically to the adjacent teeth and the antagonists. Designing the restoration is a simple task. You can count on getting perfect results every time.

Quick and simple

- Precise positioning of the proximal contacts
- Automatic computation of the occlusal surface
- Perfect results thanks to the extensive dental database resources
- Reduced milling times by up to 40 %

CEREC certainly ranks as one of the most intensively scrutinized dental procedures – as evidenced in numerous clinical studies and a wide range of scientific publications. After 18 years, 84.4% of the CEREC chairside inlays and onlays are intact and functioning. In cases where the inlays and onlays were adhesively bonded, the success rate is between 90 and 95% after ten years. Follow-up examinations of around 5,000 restorations demonstrate that, in terms of their survival rates, CEREC restorations are at least on a par with cast gold – and clearly superior to composite fillings.

The most important findings at a glance:

Fact: There are more than 20,000 CEREC users worldwide.

Fact: They have already created more than 15 million CEREC restorations.

Fact: The CEREC Bluecam generates digital optical impressions with an unprecedented degree of measurement precision. The new CEREC Blocs Shade Guide assists you to easily select the correct aesthetic colour tone.

Fact: After ten years, CEREC inlays and onlays achieve a survival rate of 90–95%.

Fact: After five years, CEREC crowns have a survival rate of 95–97%

Fact: After nine years, CEREC veneers display an impressive survival rate of 94%.

CEREC Blocs – the original redefined

The new CEREC Blocs are ideal for chairside applications. They are easy to polish and display outstanding enamel-like physical properties. Thanks to a high degree of translucency and the so-called "chamele-on effect", they blend in perfectly with the adjacent teeth. The polychromatic (PC) version of the CEREC Blocs is specially layered in order to resemble the enamel, dentine and neck of a natural tooth — ideal for the fabrication of anterior and posterior crowns. Last but not least, the new CEREC shade system unites the simplicity of VITA Classical and the diversity of Vita 3D Master.



The 12 CEREC Blocs are available in six different shades – ranging from So (bleach) to S5 (dark) and with three different translucencies (opaque, medium, translucent). In addition, three polychromatic CEREC Blocs PC are available. The new CEREC Blocs Shade Guide makes it easier to select the most aesthetic shade.



Stepping stones to success.

inLab is synonymous with flexibility and efficiency. The hardware, software and the infiniDent manufacturing service can be combined to create a finely tuned system made up of truly convincing components. A further advantage is that inLab grows in line with your changing requirements. For example, you can begin with the inEos scanner and then upgrade successively to a fully fledged in-house CAD/CAM system. The inLab 3D software plays a pivotal role in this respect. It is easy to use and caters for a virtually unlimited spectrum of materials and clinical indications. Sirona with its digital dental network CEREC Connect* offers you a direct connection to dental technical laboratories closing the last gap in modern CAD/CAM patient care. It also provides in future for an even more efficient collaboration between dentists and dental technicians.

^{*} CEREC Connect is currently available in the USA and will be introduced shortly into certain other countries.

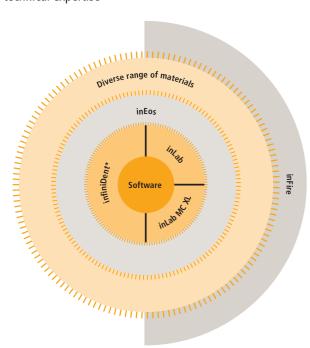
inLab – your CAD/CAM system for the future.



Diversity tailored to your specific requirements

What the inLab system has to offer:

- Ideal growth opportunities e.g. through innovations such as the digital dental network CEREC Connect* – in conjunction with digital optical impressions the perfect combination to develop new customer potential
- Long-term investment security through an incomparable range of materials and indications for high-performance and profitability in your lab
- Flexible configuration possibilities to meet your individual starter requirements and then stage by stage extension of your system
- Optimal quality assurance through fully developed manufacturing technology and high quality materials to complement your dental technical expertise



inLab MC XL – the professional milling machine for your dental lab

The inLab MC XL milling unit is tailored exactly to the requirements of dental laboratories. It delivers outstanding precision and speed and boasts a gigantic milling capacity. As it can handle a complete spectrum of clinical indications, the inLab MC XL makes a significant contribution to enhancing your profitability.

inLab MC XL: the benefits in brief

- Milling of ceramic blocks up to a maximum size of 85x40x22 mm,
 e.g. inCorus Zi maxi L
- Work more cost effectively and place more milling orders in one material block with the new inLab 3D Stack software
- The inLab MC XL mills with higher precision (\pm 25 μ m), regardless of the specific clinical indication and material
- Ideal for large-sized laboratories: The four-motor configuration is designed for round-the-clock operations. If one diamond bur should fail, the other motor can complete the milling operation without any interruption



inLab – the first step on the way to in-house CAD/CAM

inLab is the low-cost alternative for in-house CAD/CAM. Fitted with its own built-in laser scanner, this compact milling unit delivers decisive benefits in terms of precision, cost-effectiveness and user-friendliness. What's more, the inLab system is upgradeable and thus represents a sound investment in the future.

inLab: the benefits in brief

- Non-contact scanning system delivers precise results
- Optimum precision: the scanner and milling tools share the same axis
- The twin diamond burs create fine structures in the shortest possible time
- "Soft Touch Control" detects and corrects any inaccuracies before the milling process commences
- The built-in water cooling system prevents any damage to the ceramic materials



inEos - the add-on scanner

The inEos dental scanner can acquire data of a whole range of different models (single teeth, saw cut models, jaw models) in as little as 10 seconds. The scanned images are viewable immediately on your computer monitor.

inEos: the benefits in brief

The low-cost stepping stone to CAD/CAM technology

Collaborating with Sirona's central manufacturing facility couldn't be simpler. First you acquire the necessary data with the help of the inEos scanner. Next you design the restoration using the sophisticated inLab 3D software and transmit the finished design to our infiniDent web portal infiniDent** under www.infinident.com. We manufacture the restoration and return it to you within just a few days.

Optimize your workflow

If you deploy the inEos scanner, you can use inLab primarily as a milling unit, and hence virtually double your output. With this combination, you can work faster and dispense entirely with duplicate plaster models.



inFire HTC – the cost-effective sintering

The inFire HTC high-temperature furnace is the perfect complement to the inLab system. It is designed to sinter all the framework ceramics that can be machined on the inLab system including inCoris AL and inCoris ZI.

- Large-capacity chamber you can stack two crucibles on top of each other and hence double your capacity
- Compact design and minimum space requirements
- Program preset for all commonly available sintered ceramics
- Clearly structured display and easy-tounderstand menus
- Economical the sintering process can be performed overnight

^{*} CEREC Connect is currently available in the USA and will be introduced shortly into certain other countries.

^{**} infiniDent is currently available in Austria, Belgium, France, Germany, Italy, Luxemburg, Netherlands, Switzerland, UK, USA and will be introduced in certain other countries.

inLab 3D, infiniDent und inCoris – limitless possibilities.





inLab 3D - modern software

The intelligent software presents you primarily with more time. The intuitive menu and instructions, biogeneric occlusal surfaces and considerably fewer construction design steps make this possible.

Additional software components bring further advantages:

inLab 3D Stack

The software ideally complements the inLab 3D software and supports you prior to the milling process to achieve the optimal arrangement of restorations in one zircon oxide block e.g. for milling overnight. This saves both materials and time. Partly milled blocks can be used at a later time.

inLab 3D for Abutments

This application allows you to easily and reliably construct individual abutments from zircon oxide. By means of the top down method* you can design both effortlessly and faster. Initially the dental technician creates the crown from which the abutment will be automatically proposed in the second step. This can then be subsequently modified if required. The appropriate inCorus Zi meso blocks have a preformed screw canal with an integrated rotation safeguard for additional security.

- 1 | Inlay and onlay constructions feature unique biogeneric occlusal surfaces. The software here reverts to data acquired from several thousand teeth scanned in detail and alters the database teeth as long as necessary until the result matches the remaining tooth substance.
- 2 | You can produce with the inLab 3D software bridge frameworks with up to 12 units, if required with reduced tooth form, quite simply by mouse click. These bridge frameworks are generated with a uniform veneering depth.
- 3 | The anatomical connector configuration shows a warning coloured display should the minimal radius not be attained as an additional security control.
- 4 | The software update inLab 3D for Abutments allows you to construct top down.*

infiniDent** - Sirona's centralized production facility

Working with infiniDent is simple, yet enables you to outsource numerous processing steps:

1 | Scanning

You scan the model (using the inEos system or the built-in inLab or inLab MC XL scanners) and design the restoration.

2 | Transmission

Then you go to www.infiniDent.com, enter your password (new users must register first) and upload the data. This takes just a few mouse clicks.

3 | Production

After the data has been checked, the restoration is machined on computer-controlled milling units or on a laser sintering system. This is followed by quality assurance and dispatch to the customer. The entire production process takes just three working days.

4 | Finishing

The rest is up to you. You can apply your craft skills to the final veneering and finishing of the restoration.

inCoris – the perfect materials for inLab

inCoris ZI (zirconium oxide)

inCoris ZI is a pre-shaded, high-performance ceramic material. It provides the basis for creating especially fine long-span frameworks that fulfil the highest aesthetic demands. Further convincing advantages include: outstanding long-term stability, high precision, excellent biocompatibility, outstanding longevity, outstanding fracture toughness, plus simple and straightforward machining. inCorus Zi is obtainable in 5 pre-coloured shades (F0.5, F1, F2, F3, F4.5). These inCorus blocks ensure a uniform quality, saving time and money making the use of colouring solutions und liners unnecessary.

New:

inCorus Zi maxi S (65x40x17mm) and inCorus Zi maxi L (85x40x22mm)

inCoris AL (aluminium oxide)

inCoris AL is a low-cost, high-strength ceramic material. As is the case with inCoris ZI, the frameworks acquire the required dimensions, density and mechanical strength during the sintering process. Due to its good machining properties in a post-sintered state and natural ivory shade, inCoris AL is the ideal material for the fabrication of telescope crowns (shade F0.7).

^{*} Update in Lab 3D for Abutments will be available from summer 2009.

















^{**} infiniDent is currently available in Austria, Belgium, France, Germany, Italy, Luxemburg, Netherlands, Switzerland, UK, USA and will be introduced in certain other countries.











CAD/CAM SYSTEMS | INSTRUMENTS | HYGIENE SYSTEMS | TREATMENT CENTERS | IMAGING SYSTEMS

Would you like further information about the Sirona product portfolio?

Detailed information material is available for all the products described in this brochure. To place orders, please use this fax reply form or contact us by phone or e-mail.

Yes, I'm interested in finding out more about the Sirona product portfolio.

Ш	Please	send	me	detail	led	int	ormat	tion	about
---	--------	------	----	--------	-----	-----	-------	------	-------

Prod	uct category	Product name	Personal details
☐ Tr	eatment centers		Name, first name
□ In	struments		Company
□ H	ygiene systems		Address
□ In	naging systems		City, postcode
□ C	EREC		Tel. /Fax
□ in	Lab		E-mail
	ıld like to arrange a meeting an authorized Sirona dealer.		My authorized Sirona dealer

Sirona Dental Systems

Tel.: +49 6251/16-0 \cdot Fax: +49 6251/16-2591 \cdot E-mail: contact@sirona.com \cdot www.sirona.com

