

THE DENTAL  
SOLUTIONS  
COMPANY™



# Products and Solutions

for Universities, Hospitals and Education Centers

[dentsplysirona.com/clinics](https://dentsplysirona.com/clinics)



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Digital dentistry is a topic that has gained significant importance within the past few years. It is our firm belief that dentistry will be completely digital in the future, which will bring new possibilities for education, clinic operation and research. As the global leader in dental education, with over 60 years of experience and more than 1,000 successful projects, Dentsply Sirona International Clinics Solutions is the right partner for bringing your education to the next level.

The success of our International Clinic Solutions is based on comprehensive, needs-oriented consulting, as well as on long-lasting partnerships. We deliver a complete product portfolio, expert consultation and planning, training and fully responsive aftercare. Together, we can develop a tailor-made, future-proofed solution for your individual needs – and accompany you on every step from the initial idea to implementation, and even afterwards with extensive trainings and global support.

Knowledge and skills are the building blocks for every successful dental professional. As techniques and materials advance, and the requirements for modern dentistry change, the need to keep up is increasing the demand for high quality teaching and learning. Our solutions involve interactive teaching methods and learning environments that simulate practice-like conditions. Students have the chance to become familiar with details of the clinical workflow in the preclinical semesters and seamlessly transition to actual patient treatment.

Together, we can take the next step into the digital future of dentistry and successfully prepare future dentists with clinical training and patient treatment.

**Jörg Vogel**

Vice President Sales  
International Special Clinic Solutions

# Comprehensive Approach

## We offer the complete solution for your project

Dentsply Sirona Clinic Solutions is a leading manufacturer of robust, safe and future-proofed digital dental equipment and dental education systems, all backed by an extensive global network. We offer a complete solution to all your needs. As your project partner, we deliver a comprehensive product portfolio, expert consultation, planning, training and fully responsive aftercare.



## Your project

Pre-clinical education · Clinical education · Post-graduate courses · Training centers

New installation · Do more research · Treat more patients · Upgrade existing units · Digitalization · Increase number of students

## Our solution

Consulting

Planning

Products

Support and training

### Maximizing your benefits

Dentsply Sirona has over 60 years' experience providing educational solutions, and delivering projects on time and on budget all over the world. We have a deep understanding of project management for education, combined with a flexibility that will enable us to design the optimum learning environment for your requirements.

### Asking the right questions:

- Defining your needs
- Technology assessment
- Benefit-cost analysis
- Local and international compliance

### Comprehensive planning considering all criteria

When it comes to clinic planning, we'll put together a comprehensive proposal that covers all the necessary educational, technical, environmental and financial factors. As your project planners, we'll design the technical infrastructure, select medical furniture and put powerful infection control measures in place.

### Finding the right solution for:

- Clinic layout
- Technical infrastructure
- Infection control
- IT infrastructure

### Innovative, robust, custom-made

Dentsply Sirona is the only manufacturing company that offers the ability to fully outfit your facility with proven, fully-digital dental equipment, backed by global service support.

### Offering the best products:

- Simulation Units and cabinetry
- Treatment Centers with Unit Management Software
- CAD/CAM chairside (CEREC) and labside
- Imaging
- Instruments & Hygiene Systems

### Broadest clinical education platform in the industry

Dentsply Sirona delivers clinical and technical support, product training and offers the broadest clinical education platform in the industry. We educate over 350,000 professionals annually, offer almost 11,000 courses in over 80 countries and have over 4,000 people to support customers every day.

### Supporting you all the way:

- Global support
- 24-hour technical hotline
- Dental Academies worldwide
- Product training sessions
- Regular product updates

# Product Portfolio

## Teaching, learning and treating with the best equipment

Dentsply Sirona offers you all key products for your educational and clinical departments of your university and clinic. We provide everything from robust, reliable simulation units and treatment centers you can count on for heavy, everyday use, to the most modern imaging and CAD/CAM devices.

### Your main benefits:

- Rely on product quality Made in Germany
- Enjoy working on individual and customized product solutions
- Trust our experience of more than 1,000 university and clinic projects

## Digital solutions

When it comes to digital dentistry, partnering with Dentsply Sirona pays off on many different levels:

### Pre-clinical education

- Objective analysis and feedback
- Faculty: Effective teaching
- Students: Getting ready for clinical semesters

### Clinical education and treatment

- Faculty: Safer and faster treatments
- Students: Getting ready for real life
- Patients: Improved patient experience

### Laboratory

- In-house revenues and process control

### Master courses

- Additional source of revenue
- Competitive advantage

### Research

- More research opportunities and publications
- Impact on ratings
- CAD/CAM software as a great analysis tool



### Pre-Clinical Education

- Simulation Units
- Unit Management Software
- Instruments
- Multimedia Collaboration System

### Digital Dentistry

- Evaluation software for preparations (based on CEREC)



### Clinical Education and Treatment

- Treatment Centers
- Unit Management Software
- Hygiene Systems
- Instruments
- Laser

### Digital Dentistry

- CAD/CAM chairside (CEREC)
- Digital Imaging Solutions
- Integrated Workflows for Implantology and Endodontics



### Laboratory

- Lab Benches
- Multimedia Collaboration System

### Digital Dentistry

- CAD/CAM labside
- CAD/CAM materials



### Master Courses

- Simulation Units
- Multimedia Collaboration System

### Digital Dentistry

- Integrated Digital Solutions (for e.g. Endodontics, Implantology, TMD and Sleep Apnea)



### Research

- Research Programs at the post graduate as well as the student level.

### Digital Dentistry

- Integrated Digital Solutions (for e.g. Endodontics, Implantology, TMD and Sleep Apnea)

# Pre-Clinical Education

## Simulation units – Standalone

### Realistic, hands-on treatment simulation

In pre-clinical education a learning environment simulating practice-like conditions is a key success factor. Knowing teaching concepts, local practices and infra-structural conditions are seldom the same, Dentsply Sirona offers solutions for simulation units tailored to your individual needs. The use of key components of

our treatment centers allows a realistic simulation working environment, always under ergonomic conditions. Students become familiar with details of subsequent treatment processes – e. g. operation of the dentist and assistant element – in the preclinical semesters.



Smooth transition from pre-clinical education to clinical education and treatment



Danube Private University (DPU) in Krems, Austria

### Benefits

- Realistic treatment environment
- Ergonomic working routines from the start
- Individual configuration to fit your specific requirements
- Conversion from right to left-handed use within seconds and without any tools
- For 2- and 4-handed dentistry
- Modular design to fit any room layout – single or group formation, or installation under a bench

### Successful track record

Dentsply Sirona installed more than 2,000 Simulation units in the last 10 years.



Polyclinic for Restorative and Preventive Dentistry, University Hospital of Giessen/Marburg, Germany

# Pre-Clinical Education

## Simulation units - Bench type

### Training in a compact space

Sim units as a stand-alone version stand for simulation as realistic as possible and with the best ergonomics. But this usually requires a lot of space. If this space is not available, we have a solution: Dentsply Sirona's customized bench solutions. Students receive a real-

istic training environment enabling them to learn every discipline of dentistry. The Bench solutions can additionally be extended with add-ons for teaching dental technology to carry out interdisciplinary courses, even in a compact space.

### Compact

Make the most of the space you have, thanks to its compact design.

### Space-saving

Create space for as many students as possible.

### Multi-functional

Conservative dentistry and prosthetic dental technology at a single workstation.



Cost-efficient integration of the intra-oral scanner Primescan or Omnicam - access from four adjacent workstations

Simulation of dentistry: Phantom and fully-fledged dentist element

Convertible for training of dental technology

Simulation of dental technology: Motor with handpiece and possibility for dry and wet grinding



Simulation and technology lab for pre-clinical education at University of Missouri-Kansas City, USA



University Center for Dentistry in Basel, Switzerland

# Support Your Teaching

## Multimedia collaboration system

### Enhance communication with your students

Practical experience for students is essential, especially in health sciences. The easiest way to gain practical experience in a higher-education setting is using a simulation lab. The biggest challenges in a simulation lab are visibility, distractions and instructor accessibility to all

devices. The award-winning alphadidact® digital system allows instructors at the touch of a button to share real-time, high-quality images from any device on any screen in the classroom. This enables the instructor to check up on student progress, share, collaborate and monitor.

### Advantages for lecturers

- Increase the quality of presentation
- Increase and focus the attention of students
- Encourage interactive collaboration
- Connect and cross-link all devices: Intra-oral cameras, microscopes, notebooks, tablets, displays, and projectors
- Record a step-by-step-operation for playback purposes (lecture capture)

### Advantages for students

- Optimum view of tutor activities on own monitor
- Perfect audio communication with the tutor

### Advantages for universities

- Maintenance free
- Can be used with almost any hardware and software
- No cost intensive IT infrastructure investments
- 3 years international warranty

### Control all media devices via one control panel

- Video camera
- Projector
- Notebook
- Microscope
- Students' and master monitor
- Audio
- iPhone



## Case study

### University of Missouri-Kansas City, USA

When the University of Missouri-Kansas City replaced their simulation units in 2019, they purchased the custom-made solution offered by Dentsply Sirona. After a detailed needs analysis and planning process, 109 simulation units for dental students and 2 instructor units were installed in its School of Dentistry. To further enhance the high-quality education, all workstations were linked using two alphadidact® digital multimedia-systems. The system facilitates image transmission of digital cameras and

microscopes, or of an intraoral camera to the monitors of the individual workstations, as well as to projectors and large-screen displays. It ensures every student has excellent viewing conditions and class time can be used most effectively. Additionally, the alphadidact® digital system also handles two-way audio communication in the simulation room via a headset, minimizing distractions and enabling an easy one-on-one interaction.



Transmission from microscope or video camera to monitors

Photos provided by UMKC Strategic Marketing & Communication and Biomedical Communications, UMKC School of Dentistry. Copyright, Curators of the University of Missouri.

### What makes the alphadidact® digital multimedia system so outstanding:

- Extremely easy and intuitive to use
- Highly reliable
- Very high image quality with no compression and change of colors
- No lag – digital image transmission in real-time
- Very flexible integration with most modern devices
- Highly secure
- Hardware based for independence from IT infrastructure



### Easy attachment of a video camera onto the operating light

Any off-the shelf video camera can be easily attached to the operating light LEDview Plus, making it an efficient solution for educational purposes (live-broadcast and documentation), as well as for patient communication.

# Support Your Teaching

## prepCheck

### Software supported evaluation of preparations

Future dental practitioners need to be trained well in the skill of preparations. Yet, given the increasing number of students and fewer members of staff, less and less time is available to discuss students' work. prepCheck is an easy-to-learn system based on objective measurement

procedures, which documents and analyses students' results, and also allows the results to be called up at a later stage. It is a combination of Primescan or CEREC Omnicam and the prepCheck analysis software installed on the CEREC AC.

### Applications

Pre-clinical use –  
3D comparison with master prep

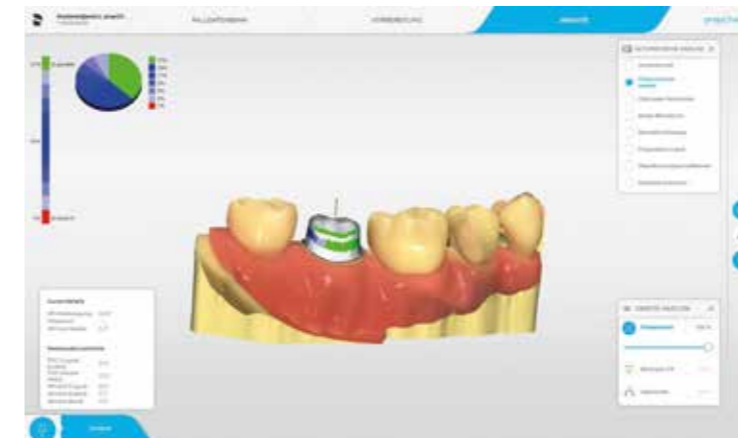
Clinical use –  
Analysis of the prep with parameters



### A plus for universities and students

#### Analysis of

- preparation margin
- surface finish
- marginal finish type
- circular angle
- undercuts
- layered fillings
- distance measurement between the cavity and the antagonist tooth
- distance measurement between the cavity and the restoration
- comparison of the cavity with a master model preparation



### Features

#### Innovative

- Fully automatic 3D analysis
- Objective assessment of preparations and fillings

#### Evidence based

- Reproducible results
- Archiving of analysis data

#### Proven

- Well-established CEREC system
- Worthwhile investment

### Benefits

#### For faculty

- Saves time on evaluation of preparations, more focus on teaching
- Easy to apply uniform standards throughout whole university
- Engage students faster and improve their understanding
- Objective and legitimate grading

#### For students

- Immediate and objective feedback
- Allow you to work at your own pace
- Possibility to practice also after class and on weekends

### Faculty of Oral and Dental Medicine at J.W. Goethe-University Frankfurt am Main, Germany



"In the beginning as a student, you are always uncertain in preparations, especially with a patient. prepCheck has given me more self-assurance."

Christine Wiebe  
Dental student of pre- and clinical training,  
Faculty of Oral and Dental Medicine at  
J.W. Goethe-University Frankfurt am Main



# Clinical Education & Treatment

## Treatment centers – A key competence of Dentsply Sirona

Dentsply Sirona has a very long tradition and profound expertise in the development of treatment centers. Our units are installed in clinics and universities all over the world.

### Reliability Made in Germany

All treatment centers are manufactured in Bensheim, Germany – the largest research, development, and production location within the dental industry.



**Sinius and Teneo:** University Hospital for dentistry and oral health, Graz, Austria



**Teneo:** Danube Private University (DPU) in Krems, Austria

Leading products  
in dental treatment  
centers

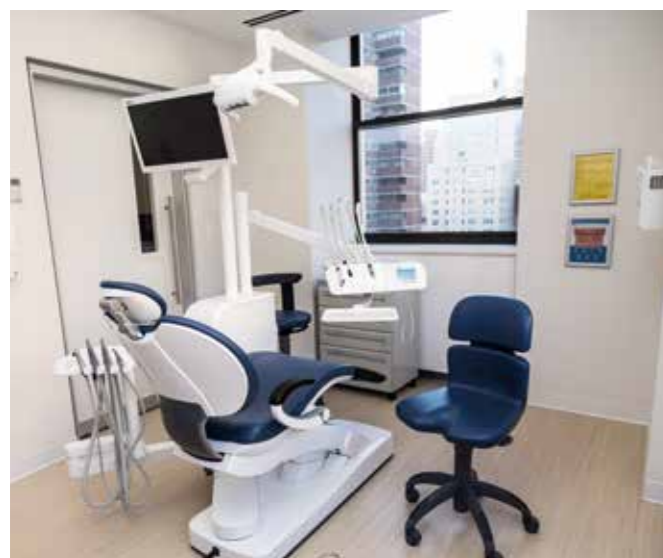
### Number of units sold worldwide:

**Intego**  
More than 30,000 units

**Sinius**  
More than 18,000 units

**Teneo**  
More than 9,000 units

Effective Date: November 2020



**Intego Ambidextrous:** New York University College of Dentistry (NYUCD), United States

“The fact that we now have leading-edge technology equipment makes both teachers and students very happy – we know that it is very reliable and that our students will receive the most up-to date knowledge and training.”

Dra. Blanca Real,  
Dean of the Faculty of Dentistry,  
Universidad Central de Ecuador

**Intego:** Universidad Central del Ecuador in Quito, Ecuador



**Intego and Intego Ambidextrous:** University of Pretoria, South Africa

# Clinical Education & Treatment

## Treatment centers – Defining dental care

Treatment centers by Dentsply Sirona are both robust and state-of-the-art, meeting university needs today and for the future. Our treatment centers, well-known for their modern design and high-quality materials, can be perfectly integrated into any clinic network. They

allow for the addition of numerous innovative functions to support more integrated workflows in fields like endodontics and implantology. Smooth surfaces and integrated disinfection ensure the highest possible hygiene standards.

### Robust & reliable

#### Solid construction for heavy use at universities and large clinics

The chair is a sophisticated combination of aluminum, steel and high-grade plastics, ensuring the highest degree of stability, as well as ergonomics and hygiene. The chair chassis and the backrest frame are construc-

ted of steel and aluminum. The whole frame is composed of only four parts with highly integrated functions building an ultra-slim lift mechanism.

Find out more about Reliability – Integration – Innovation – Design – Experience:  
[dentsplysirona.com/quality-beyond-reliability](https://dentsplysirona.com/quality-beyond-reliability)



### Treatment comfort

A healthy operator posture during treatment requires the patient to be correctly positioned and maximum access ensured.

#### Perfect ergonomics

- Slim backrest for easy patient access
- Easy to move dentist element and operating light thanks to pneumatic break
- Optimized reach distances: Perfect coordination and variable positioning of dentist element, assistant element and tray
- Suitable for teaching two and four-handed dentistry

#### Intuitive workflow

- Clear user interface
- Programmable for different users
- Key Pads or touchscreen
- Integrated therapy functions for endodontics and implantology

### Patient comfort

For many patients, it's particularly important to feel at-ease, therefore their individual needs are considered when it comes to dental treatments.

#### Easy access

- Armrests can be fully swiveled down
- Dentist element can be moved all the way out the access area
- Very low chair position making it easy for children and older people to access – ideal for geriatric and pediatric dentistry

#### Relaxed positioning

- Best spine support: no over-stretching or compression of the spine due to compensating movement of the backrest, lumbar support function
- High patient comfort: Gentle lift drive, climate upholstery dissipating the trapped heat
- Flexible headrest: Motorized or double articulating headrest



# Clinical Education & Treatment

## Treatment centers – The right solution for your requirements

Modern treatment units are of crucial importance for the success and efficiency of treatment as well as for positive patient experience in all fields of dentistry. Dentsply Sirona offers treatment centers for different

needs, requirements and budgets, but always lives up to the standards of healthy ergonomics, impeccable infection control and intuitive workflows.



### Intego/Intego Pro

The best treatment center of its class

- Many different configuration possibilities
- Two different user interfaces
- Also available with fresh water bottle system



### Intego Ambidextrous/Intego Pro Ambidextrous

For right and left-handed dentists

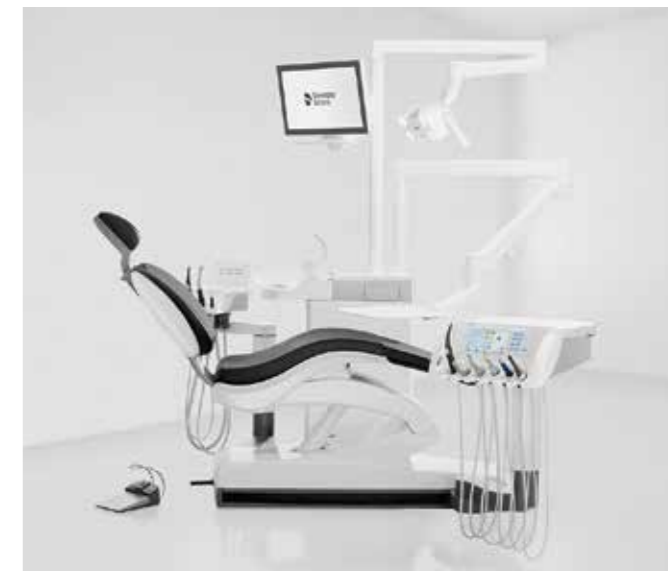
- Switch from right to left in just 15 seconds
- Optimal ergonomics also available for left-handed dentists
- Fits even in a very small space



### Sinius

Compact design meets flexibility

- Clear user interface with touch screen
- Available with hanging hoses (TS), whip arm (CS) or manual sliding track
- Integrated therapy function for endodontics and implantology



### Teneo

Workflow in perfection

- Motorized sliding track for dentist element and motorized headrest for the best ergonomic workflow, motorized cuspidor
- Integrated therapy function for endodontics and implantology
- Maximum comfort for patients and dentists

## Easy maintenance and service

### Vionex Manage – Unit Management Software

All Dentsply Sirona treatment centers (Intego, Intego Pro, Sinius, Teneo) can be digitally integrated into the clinic's network and then monitored via Dentsply Sirona's unit management software Vionex Manage.

- Conveniently monitoring all treatment centers at one glance, even remotely.
- Preventing down-time thanks to pro-active maintenance
- Faster trouble-shooting thanks to detailed instructions

## Design

Treatment centers by Dentsply Sirona are appreciated worldwide for their timeless and sophisticated design. All treatment centers embody the same design language giving a harmonious picture in your clinic, also when combining different models. This comprehensive approach has also

been recognised by design awards such as the iF Design Gold Award and a nomination for the German Design Award.



# Clinical Education & Treatment

## Operating light - The more you see, the more you detect

Excellent visibility is a basic prerequisite to ensure the best possible diagnosis and subsequent treatment. The natural quality of light also plays a significant role in the color identification process for crowns, bridges and veneers or determining color changes in the gingiva and hard tooth substance. LEDview Plus, the premium operating light from Dentsply Sirona, performs with the perfect interplay of light intensity, light color and light field size. It combines the latest LED technology with modern, ergonomically optimized design.

### Natural light for ideal working conditions

Integrated multicolored LEDs provide the perfect mixture of light so both the gingiva and hard tooth substance look exceptionally natural.

### Composite mode

The composite mode (compliant with ISO 9680:2014) reduces the blue light components allowing you to carry out your composite filling at a relaxed pace.

### Attachment of a mirror

To support patient communication, especially in the case of orthodontics, dental hygiene and parodontal consultations, it is easy to attach a mirror to the

### Different levels of brightness and color temperature

Perfect natural lighting is also a matter of settings. Seven different brightness levels as well as three different color temperature levels allow you to adjust the light optimally to any treatment situation via the user interface.

### Intelligent ergonomics in a modern design

Comfortable control is available either via the contact-free sensor or the user interface of your treatment center. The three movable joints allow you to position the operating light and hence the complete light field exactly where you want it.

### Infection Control

Operation via the contact-free sensor minimizes the risk of cross-contamination and ensures a high level of protection. Cleaning can be done easily thanks to its smooth surfaces. The LEDview Plus also has removable handles which can be thermally disinfected and sterilized.

operating light. Patients can follow the procedure via the mirror, giving especially anxious patients a feeling of comfort.

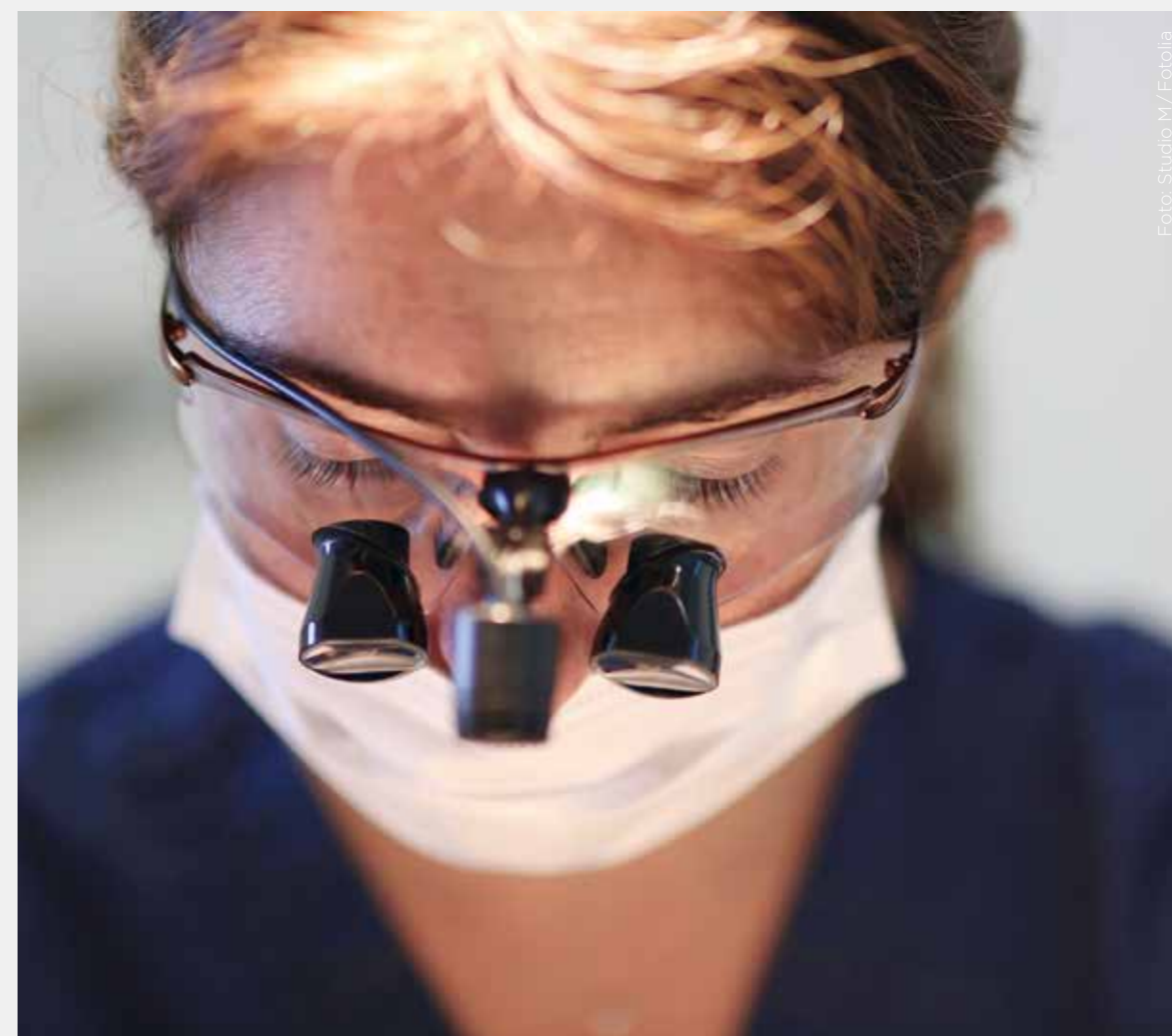


Foto: Studio M / Fotolia

### With the right light, ergonomic view and relaxed work

The concept of ergonomics is usually associated with a healthy posture at the workplace. However, working conditions do not only have to be right for the back, shoulders or neck, but also the eyes, which need optimal conditions for relaxed and healthy work. Ergonomic vision is particularly important for dentists who have to work with high-precision lighting in changing light conditions. The right operating light with a natural, daylight-like light supports them. Modern LED

luminaires offer very good light conditions and therefore enable relaxed, ergonomic vision. Due to their good color reproduction, their proximity to natural light and, last but not least, their high energy efficiency, they are now used in more and more hospitals. The requirements of dentists in terms of brightness, light color and color reproduction can also be met by LED lighting technology. It is ideal if the user can flexibly adjust various parameters on innovative treatment lights.

### Adjust the light according to the indication and the time of day

After a surgical procedure which requires maximum light intensity and a blue-tinted light, the LEDview Plus from Dentsply Sirona can easily be switched back to a more gentle, warmer light with a lower light intensity if the indication permits.

You can also easily take into account the changing viewing habits that evolve over the course of the day: by switching the LEDview Plus to a more bluish light in the morning and a more reddish light in the evening - for relaxed eyes all day.

# Infection Prevention

## Treatment centers

### Infection prevention by design

The regulations for infection prevention are comprehensive and strict. Dentsply Sirona Treatment Centers meet the most stringent requirements and help you carry out the required measures quickly and efficiently. This is for the benefit of your patients and the safety of the students and faculty staff.

With Dentsply Sirona Treatment Centers students get acquainted with the correct procedures from the start.

### For easy external infection prevention

- Smooth surfaces with hardly any gaps
- Many detachable parts, that can even be autoclaved
- No open cables or protruding screw heads

### Safe integrated infection control

- Automatic disinfection system guarantees clean process water at any time
- Automated flushing and cleaning of instrument hoses and suction system
- Support through software: step-by-step guidance on the user interface, automatic reminders

### Avoid cross contamination with hands-free operation

With Dentsply Sirona Treatment Centers, you hardly need to touch the equipment during treatment, and so you avoid cross infection right from the beginning.

### Foot control

The chair and its instruments can be adjusted entirely via the foot control.

### Integrated 4-way foot switch

In addition to the foot control, the Treatment Center can also be operated via the 4-way foot switch at the base of the chair.

### LED operating light with sensor technology

The LED operating light can easily be programmed according to the chair positions and be operated hands free.

## Quality management and assurance

### Vionex Manage – Unit Management Software

The Dentsply Sirona unit management software Vionex Manage was specially developed for the administration of a large number of treatment centers and supports the workflow in dental clinics. The software is easy to

use for students and dental professionals, as well as technicians. Vionex Manage assists you in planning and documenting hygiene measures and allows you to monitor the technical status of all treatment centers.

### Benefits for large clinics

#### Infection control and prevention

- Document and monitor all infection control measures of your Dentsply Sirona treatment center according to the specific requirements of your clinic
- Reproduce your individual hygiene workflows (according to department and indication) into the software
- Automatic warning and seamless documentation

#### Easy maintenance and service

- Conveniently monitoring all treatment centers at one glance, even remotely
- Preventing down-time because of pro-active maintenance
- Faster trouble-shooting thanks to detailed instructions

### Benefits for students and faculty staff

- Vionex Manage helps educating students of the right infection prevention measures already in pre-clinical semesters
- Vionex Manage helps preventing errors by guiding students and newly-joined dental assistants through all hygiene measures to be carried out

All Dentsply Sirona treatment centers (Intego, Intego Pro, Sinius, Teneo) and Simulation Units with integrated disinfection system can be digitally integrated into the clinic's network and then monitored via Vionex Manage.



Create your clinic-individual checklists in Vionex Manage to monitor and document your hygiene workflows



# Infection Control

## Hygiene systems

### For the most demanding requirements

Infection control is becoming ever more important, and with such significance comes increased monitoring. Ensure all-round protection for students, staff and patients by using instrument reprocessing with a high level of safety and comprehensive documentation options. Infection control solutions from Dentsply Sirona are suitable for the cleaning, care, disinfection and sterilization of dental instruments. Regardless of the design of your infection control and prevention workflows, we have the appropriate solution.

### Panama as a global model for the enforcement of hygienic standards

In 2016 the Panamanian National Bio-safety Committee in Oral Health set down stricter guidelines for instrument reprocessing in its handbook on hygienic standards in dental practices. To further minimize the risk of cross-contamination, additional requirements for safe instrument hygiene were defined. In order to better support the clinics in meeting these requirements, the Committee looked for particularly efficient technology. With the DAC Universal by Dentsply Sirona, the infection control experts finally found a device that fulfilled all their prerequisites. With this measure, Panama has become a global model for the enforcement of hygienic standards.

### 1 DAC Universal

The combination machine for fully automatic instrument reprocessing

- **Professional care**  
Cleaning, lubrication – if necessary, and High Level disinfection in a single cycle at the touch of a button
- **Fully automatic reprocessing**  
Time saving and reliable process
- **Cost-effective reprocessing**  
Low operating and consumption costs – no use of cleaning and disinfection chemicals
- **Legal certainty**  
Cleaning and disinfection process in accordance with DIN EN ISO 15883 -1/-2

### 2 SiroSeal Premium, SiroSeal Professional

With the sealing devices, instruments can be packaged for storage and transportation.

### 3 DAC Premium, DAC Professional

The class B autoclaves are universally suitable for all sterilization items.



# Instruments

## Slow and high speed handpieces

### Hygienically impeccable

Turbines, straight and contra-angle handpieces, as well as ultrasonic scalers and tips, demand more and more care when reprocessing due to their narrow media ducts and intricate interior spaces. In addition to typical contaminants such as blood, saliva, secre-

tions and tissue, there are also technical contaminants such as abrasion particles and oil residues. Each Dentsply Sirona instrument meets the highest standards for infection prevention in order to take these factors into account.



### “Quick Stop Function”

The retractive suction stop and wear-free “Quick Stop Function” prevent the ingress of bacteria and aerosols into the instrument. This reduces the risk of cross-contamination for each treatment. It also prevents contamination of the Treatment Center with bacteria from the patient’s mouth.

### Titanium – the exclusive material

Dentsply Sirona’s sophisticated production technology allows the use of titanium for production. Smooth surfaces and minimal gaps enable safe, efficient processing of instruments. Thanks to the materials used, the instruments are compatible for every patient.

### The right choice for every application

For optimum work results, the right instruments are necessary, although only with lightweight and easily handled tools can precise outcomes be achieved. We consistently meet this requirement with our

instrument series. Whichever series you choose, you will receive top-quality products that make work enjoyable – for all areas of application and work steps.



### Straight and contra-angle handpieces – unique in every class

Whether you work with a high-speed handpiece or a low-speed instrument, you can be assured of top-class results for all indications.

### Turbines – very powerful yet very quiet

Our turbine portfolio offers products for every need. They all have one thing in common: complete operating control at maximum output – and, what’s more, they are quieter and more powerful than ever before as well as quiet as always.

Can be thermally disinfected

Highest level of safety

Sterilizable > 2,000 cycles

Easy to clean



### Expand the lifespan of your turbines Dentsply Sirona’s unique Dynamic Speed Control

Turbines often get overused and the rotor suffers reducing the lifespan of the turbine. This is especially the case when students start their pre-clinical training. They have to get used to operating the instruments correctly and sparingly. The Dynamic Speed Control (DSC), invented by Dentsply Sirona, ensures that the idling speed of the turbine is limited without having a tangible impact on the turbine’s performance.

# CAD/CAM Solutions

## CAD/CAM chairside

### Solutions for dental education and practitioner

New digital dentistry is a topic which has gained significant importance within the past few years and has revolutionized research, clinic operations and education. This is why we have continuously been driving CAD/CAM innovation for over 30 years, pioneering digital solutions that have changed dentistry for the better. Our CAD/CAM solutions include scanning, design, milling/grinding and sintering/glazing technology, as well as the largest possible variety of materials.

With CEREC, we have created an innovative CAD/CAM – an optimal workflow for clinicians as well as a powerful education tool for future dentists. Dental professionals can provide patients with restorations, including inlays,

onlays, crowns, bridges and veneers, in a single visit. Additionally, our solutions enable them to take digital impressions and produce surgical guides and other apparatus needed for better, safer, and faster implantology and orthodontics.

In digital education, a digital workflow with our CAD/CAM system gives future dentists the opportunity to learn with the latest technology from the start and gives them more time to practice. With the intraoral scanner and the software module prepCheck they can scan their work and compare it to a model. This way, lessons can focus more on the individual student and their needs.

### Scan

Use the Primescan or CEREC Omnicam, our small powder-free, color camera, for precise 3D images in natural color. CEREC is open – Use the Open Scan Export to easily export your scanned cases as STL files.

### Design

CEREC Software generates outstanding restoration proposals, based on the unique “Biojaw” function. This saves you time and offers you the final design of your restoration as quickly as possible.

### Produce

The CEREC milling and grinding unit and CEREC software are optimally matched. Milling a ceramic (or grinding a solid zirconia) restoration design is extremely precise, giving the restorations smooth surfaces and edges and very fine fissures.

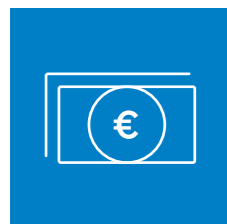
Facts about CEREC

85% of all US dental schools use CEREC

### Benefits for patients



**Two thirds** of patients would change their dentist in order to receive a single visit dentistry treatment.\*



**50 %** percent of patients would be willing to pay more for single visit dentistry.\*



**Two thirds** of patients would travel further for single visit dentistry.\*

### Benefits for dentists



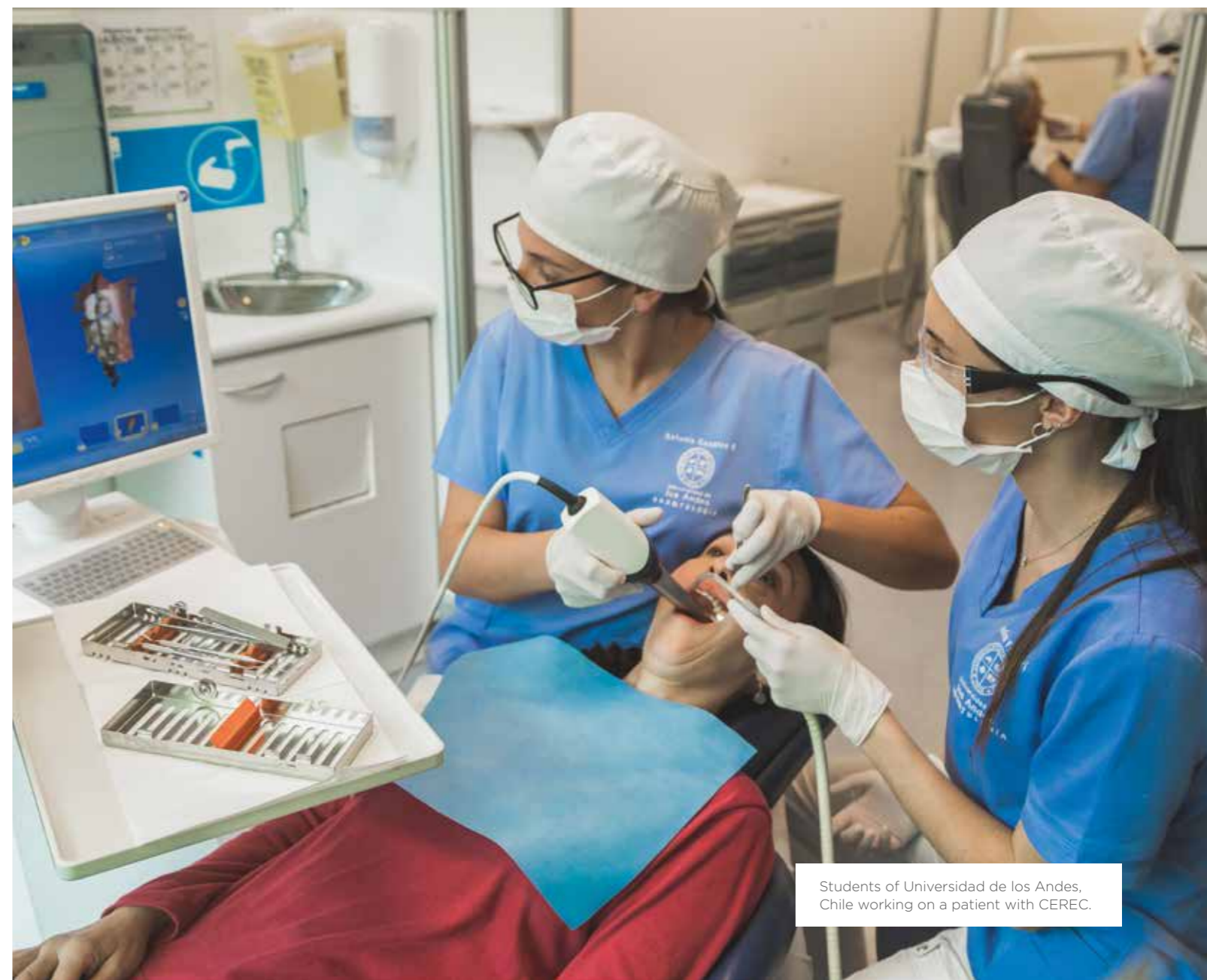
**95 %** proven long-term stability.\*\*



**Every 5 seconds** a CEREC restoration is placed somewhere in the world.



**> 250** scientific studies have proven the clinical safety of CEREC.



Students of Universidad de los Andes, Chile working on a patient with CEREC.

\* Source: Exevia GmbH dental patient survey, November 2015

\*\* Source: Posselt, Kerschbaum, Longevity of 2328 chairside CEREC Inlays and Onlays, Int J Comput Dent. (2003)



# CAD/CAM Solutions

## CAD/CAM labside

### Solutions for the dental laboratory

Dentsply Sirona provides standardized system technology with seamless digital workflows, and our inLab solutions make exchanging data and information between the practice and dental lab both easier and faster for clinicians and technicians.

Digital dental processes must reflect the reality of the plethora of dental indications and material options that exist today and must also be equipped to deal with CAD/CAM supported dental work in the future. With its flexible combination of software and hardware components, inLab makes many patient-specific solutions for design and material processing possible, supported by an extensive material offering.

With the inLab system by Dentsply Sirona you don't need to send the aesthetically demanding and technically challenging cases to an external lab, but you keep the added value in your clinic.

### inLab CAD/CAM materials – diversity at its best

The Dentsply Sirona laboratory units cover a wide range of indications and support a broad selection of materials available on the market. Whether blocks or disks – you are completely free in your choice of materials.



University Hospital for Dentistry and Oral Health, Graz, Austria

### Scan

Let the ultraprecise inEos X5 desktop scanner be the starting point of your high quality dental prosthesis work – for a comfortable, precise digital prosthetic workflow. Or use Sirona Connect to obtain direct digital impression data from the dentist.

### Design

The computer-assisted design capabilities of the inLab CAD software cover a wide range of indications. Whether veneers, inlays and onlays, crowns and bridges and prostheses – metal-based or made entirely of plastic – you have the choice of which indications you want to design.

### Produce

The Dentsply Sirona inLab system is the most versatile dental CAD/CAM system in the laboratory marketplace. Our mills come with inLab CAM software, which allows you to import .STL files from virtually any design software for milling, whether producing glass ceramic restorations with unparalleled speed, producing highly complex cases with the 5-axis milling unit or sintering a wide variety of materials quickly, the inLab system helps you unleash the productivity of your clinic.



# Imaging Solutions

## Why digital imaging?

With Imaging Systems from Dentsply Sirona you can trust in the safety that more than 120 years of experience and knowledge provide. As the market leader in dental imaging, our solutions provide unparalleled diagnostic image quality at the lowest reasonable radiation dose, while being intuitive and easy to use.

Digital imaging, as opposed to analogue systems, offers many essential benefits for diagnosis and patient workflow in a clinic. Additionally, it facilitates dental education, since students are able to work with the comprehensive digital record of the patient.

### Benefits for education

#### Comprehensive treatment planning

All digital images and patient data are stored in the digital record improving the quality of the diagnosis and facilitating treatment planning – even when the patient isn't present.

#### Learning with state-of-the-art devices

With Dentsply Sirona imaging solutions students learn with the latest technology from the start. They become familiar with correct patient positioning and exposure techniques, as well as with an efficient treatment and patient flow.

### Benefits for diagnosis and treatment flow

#### Better image quality

Digital X-ray imaging offers an image resolution that guarantees large image formats and high quality. The result: high-resolution images with optimum diagnostic reliability, which leaves no question unanswered and makes all relevant structures visible.

#### Faster results

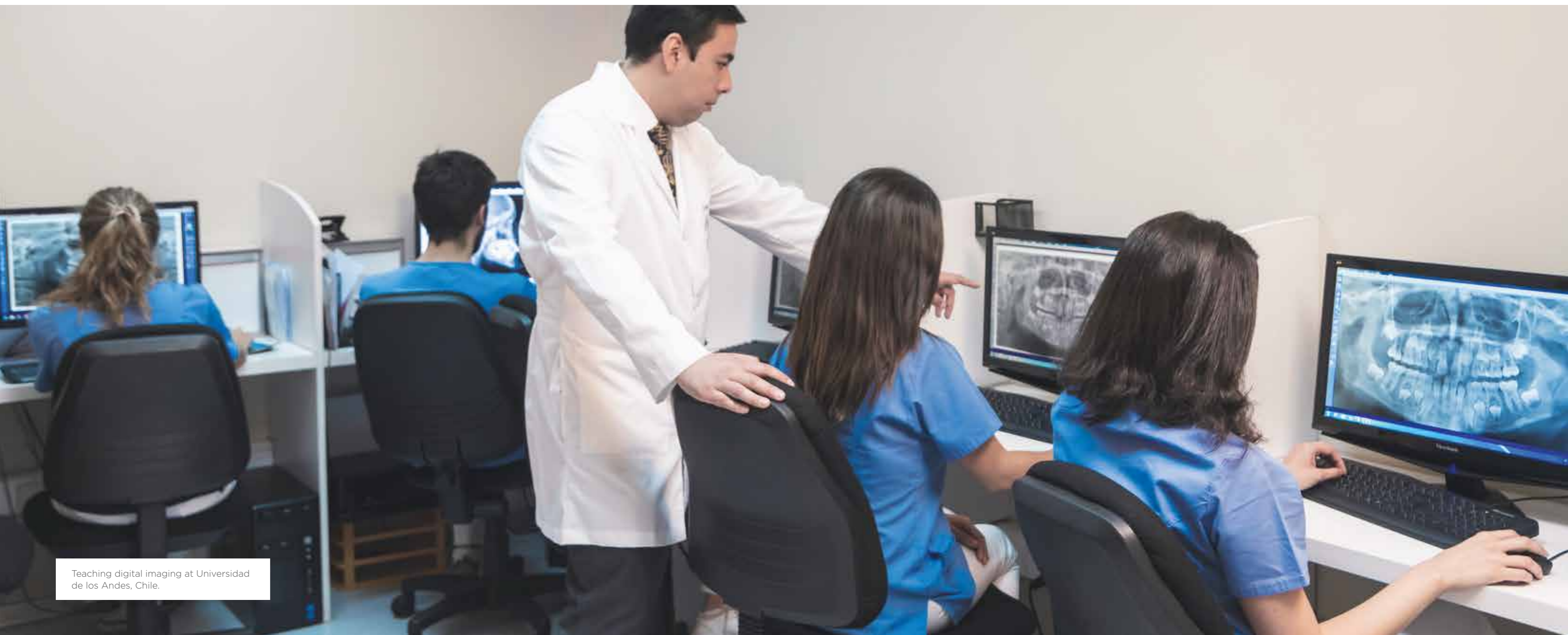
Radiography with film processing is time consuming and requires many steps. Digital images can be displayed immediately, which gives you more time with the patient and shortens treatment appointments.

#### Improved patient comfort

Digital imaging is more pleasant for patients because they can receive their diagnosis directly after the image has been taken. Digital X-ray imaging also reduces waiting times.

#### More flexibility

Digital images do not have to be printed and stored, they are automatically transferred into the digital record of the patient. The image can then be discussed with the patient in the treatment room or accessed remotely, allowing for consultation with other colleagues outside of the practice.



# Imaging Solutions

## More than imaging – real solutions

### To ensure maximum insight and confidence

As a pioneer in dental Imaging Systems, we continue to set the standard in modern, digital imaging. Our solutions provide unparalleled diagnostic image quality at the lowest reasonable radiation dose, while being intuitive and easy to use. They can be used to support workflows in all dental disciplines, integrating imaging

systems and software to enable truly better, safer, and faster procedures. Our range of **extraoral imaging** systems begins with a proven entry level 2D unit, extends to a hybrid 2D/3D unit, and goes all the way to systems with 3D, and large field of view CBCT for full face scanning.

Our **intraoral** range consists of X-ray tubes, a family of sensors, a phosphor plate scanner, and a complete range of accessories for holding and positioning sensors and phosphor plates.

**Imaging software** includes solutions for both generalists and specialists, enabling them to provide better

and more integrated care in disciplines like implantology, endodontics, function diagnostics and sleep apnea. Our imaging system solutions meet the needs of any practice, helping dental professionals perform procedures with maximum insight and confidence.

### 1. Scan



#### Intraoral Imaging

Sensors  
PSP scanner  
X-ray tube



#### Extraoral Imaging

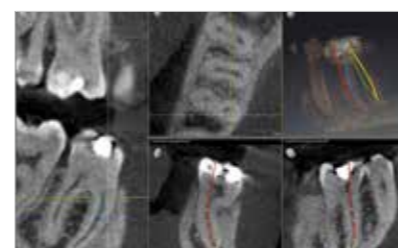
2D panoramic units  
2D/3D hybrid units

### 2. Diagnosis

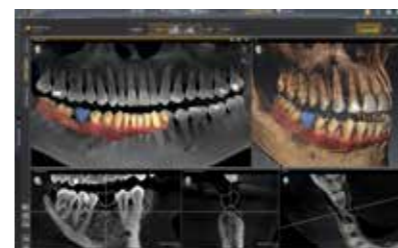


#### Software Sidexis 4

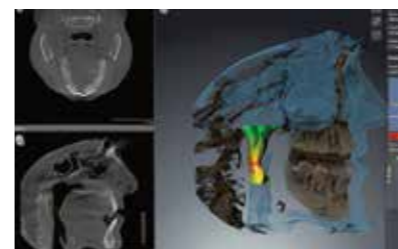
### 3. Plan



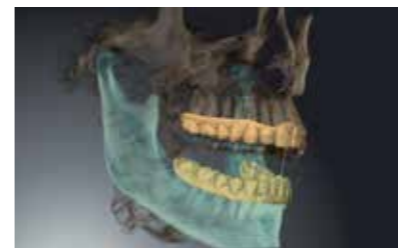
#### SICAT Endo



#### SICAT Implant



#### Sleep Apnea



#### TMD

### 4. Treat



#### Endodontic files



#### Surgical Guides



#### Sleep Apnea Appliance



#### Therapeutic Appliance

# Imaging Solutions

## 3D imaging

### Experience the difference

3D imaging has revolutionized dentistry. With its capability to see any given situation from new and different perspectives, its technology has introduced a new layer of safety and efficiency to clinics and practices worldwide. 3D imaging enables completely

new dimensions in diagnostics. Today, certain dental specializations would not be possible without 3D imaging. Guide your students through this fascinating world with Denstply Sirona's CBCT units.



### What advantages does 3D X-ray technology offer?

#### Expanded diagnostic capability

Thanks to the precise imaging technique, you have additional options for diagnosing: the path of jaw and facial nerves, the positional relationship the teeth, the state of the bone, and tooth and jaw diseases.

#### Greater diagnostic accuracy

3D X-ray images ensure precise diagnostics, even for special and complex situations. For example, the 3D X-ray image shows a tooth root from all angles and exposes hidden changes.

#### Communication with the patient

Diagnoses and treatment planning can be communicated far more easily to patients with 3D images. This enables them to better understand treatment recommendations and to accept them more readily.

#### Larger range of services

With 3D technology, you offer your patients a larger range of services and thus enhance the sustainability of your clinic.

### 3D Low Dose Mode

#### 3D Low Dose Mode. 3D Imaging. 2D Dose.

Indication-based diagnosis using CBCT images in the same dose range as 2D X-ray images is now possible with the Low Dose mode. It's optimized pre-filtering preserves dense structures such as bone even at a highly reduced dose, so it can be used easily and efficiently in many specialist fields, for example, orthodontics or implantology.

You are even more flexible, because depending on the patient case you decide: whether to use your Orthophos SL to obtain high-resolution, focused volumes for the finest of structures (HD), balanced images for general questions (SD), or Low Dose imaging for minimum radiation doses.



# Integrated Solutions

## Less work. More flow.

As the world's largest manufacturer of dental solutions, we continuously drive innovations that support dentists and dental technicians in providing their patients with better, safer and faster dental treatments. To accomplish this, we offer innovative integrated solutions that facilitate clinical routine: Dental treatments must adhere to clinically proven protocols and as part of these processes, practitioners use a range of technologies, devices and consumables. With our comprehensive market expertise and broad product portfolio, we continuously work on improving our intelligent solutions to guarantee our customers and their patients the best

possible dental treatment - in every field of dentistry. As part of this mission, we no longer think in individual products or modules, but in intelligent solutions to ensure that innovations in the practice and the laboratory result in maximum benefits for patients. These solutions enable our customers to combine the individual products to create a unique workflow, starting from the diagnosis and extending through to the final restoration. Our integrated solutions then have a positive impact on the treatment: Patients can be provided with improved, more time-efficient and safer treatments.

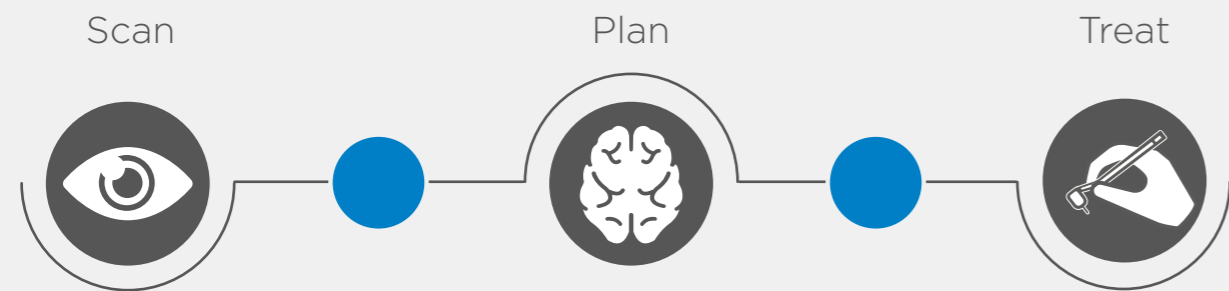
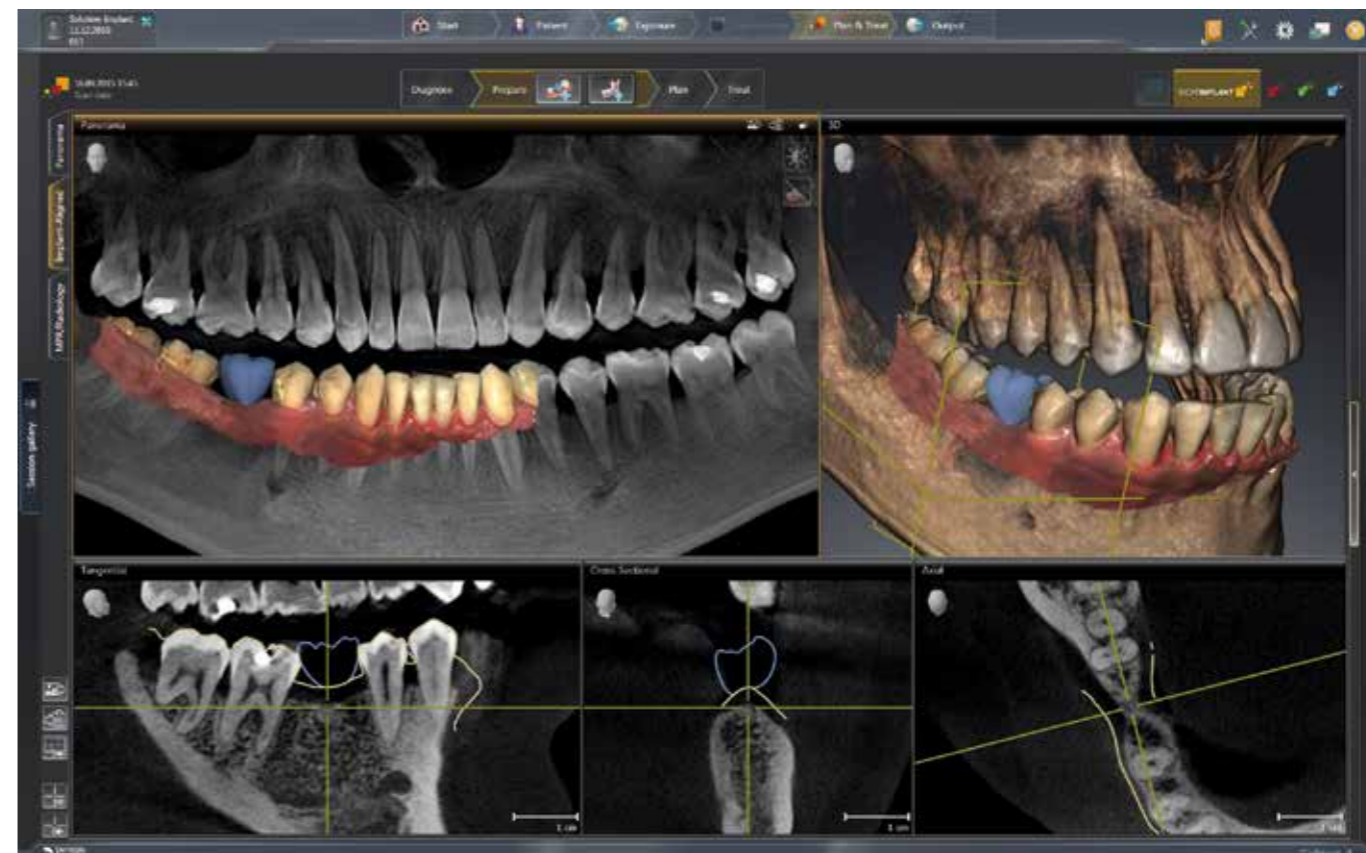
## Integrated implantology

Integrated implantology by Dentsply Sirona combines the planning of the prosthesis with information on soft tissue and bone structure. This workflow combines maximum planning certainty with short, minimally

invasive treatment sessions - to the benefit of the clinic and the patient. The dentist remains in control of the entire implantation process from the diagnosis through to the prosthesis.

### Integrated implantology with SICAT Implant

Match the optical impression of your CEREC system with 3D X-ray data for easy and precise planning.



#### Orthophos SL 3D

- Best image quality
- Easy handling
- Variety of 3D volume sizes

#### CEREC AC with Primescan

- Powder free scanning
- Easy handling
- Precise 3D images in natural color

#### SICAT Implant

- Combination of optical impression and 3D X-ray data
- Easy and precise planning
- Better patient communication



#### Surgical guides

- CEREC Guide 3
- SICAT Surgical Guides

#### Teneo

- Hands-free operation
- Integrated implant package
- Chairside radiography



"Guided processes are the future of implantology. They ensure greater precision and enhanced safety, especially in difficult situations."

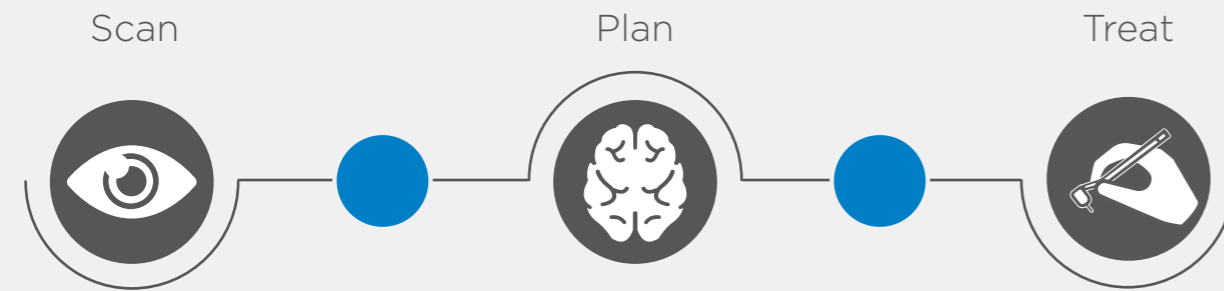
Dr. Gerhard Werling,  
General dentist, Bellheim, Germany

# Integrated Solutions

## Integrated endodontics

The integrated endodontic workflow combines maximum planning certainty with ergonomically optimized procedures. Thanks to the 3D visualization of the tooth, you know the position of the root in advance. Further, with Dentsply Sirona's treatment centers and

their integrated endodontic package, an ergonomic and efficient workflow is guaranteed without being de-focused by additional hardware. Dentsply Sirona Endodontic workflow sets a new standard in endodontic treatment.



### Xios AE

Digital intraoral sensors guarantee a quick and precise initial diagnosis, which is also comfortable for patients

### Orthophos SL 3D

- Best image quality
- Easy handling
- Variety of 3D volume sizes (smallest volume 5 x 5.5 cm)

### Sidexis 4

- Special endodontic filters
- 2D and 3D images comparison
- Modern and intuitive design



### Teneo

- Integrated endodontic function with ApexLocator
- Chairside radiography
- Ergonomic treatment and patient positioning

### Restoration

With our chairside CAD/CAM, laboratory or conventional solutions

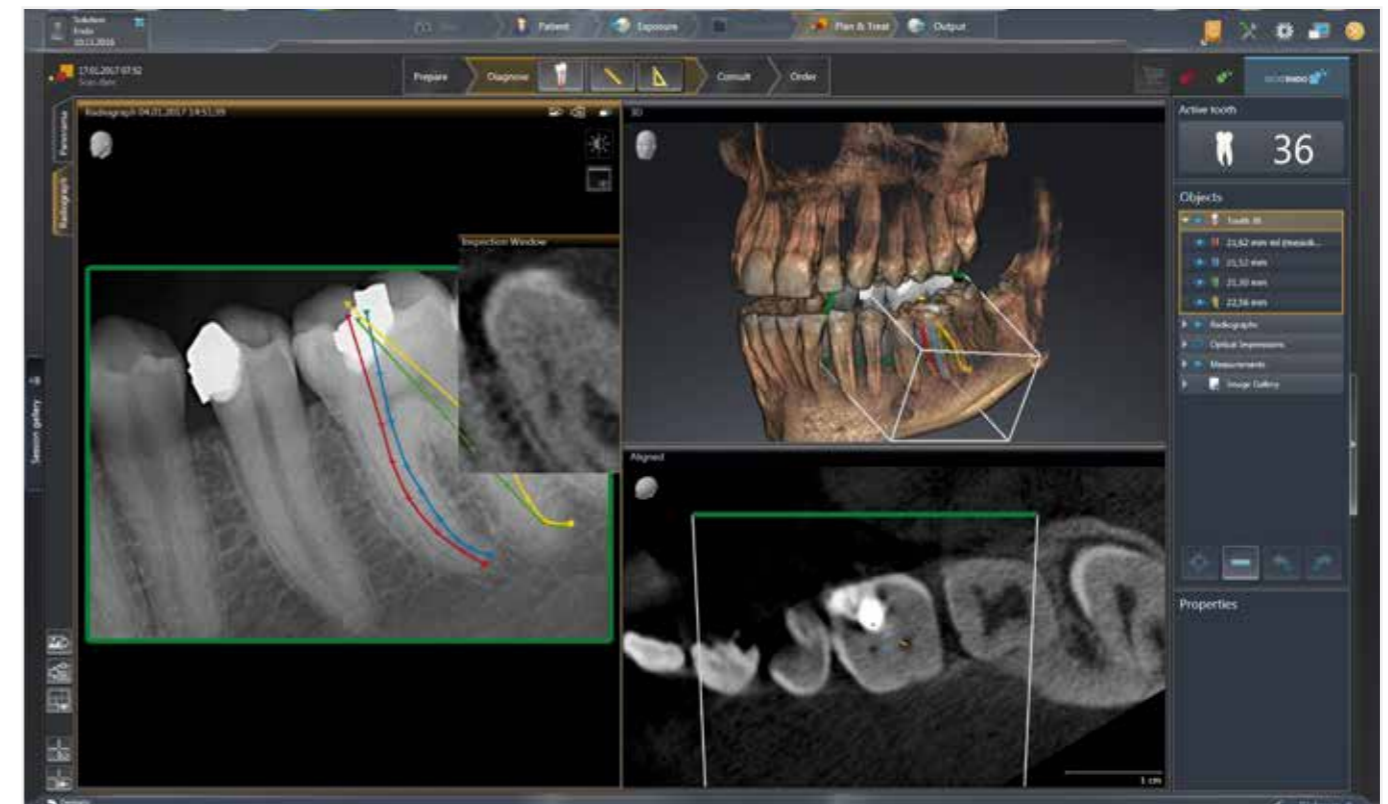
### SICAT Endo

- Complete visualization of the case
- Calculate the working length and depth of the access cavity in 3D
- Plan your treatment instrument



### Integrated endodontics with SICAT Endo

Visualize and plan your endo treatment in 3D



"With Orthophos SL and the SICAT Endo software virtual planning of endodontic treatments is now possible. This minimizes the risks for your patients. Simple visualization of the canal anatomy is also a good tool for patient communication."

Dr. Tomas Lang,  
Specialist in endodontics Essen, Germany

# Digital Workflows

## Management software for dental institutions

Dentsply Sirona, in collaboration with Two-Ten Health, is offering Salud, a specialist dental software product

which combines ease of use, data recording and real time audit control and reporting.

Salud provides the digital workflow for the digital dentistry clinic.

### Salud is more than just a patient management system

It provides integrated functionality in areas such as:

- Registration and appointments
- Waiting and recall lists
- Billing and insurance
- Comprehensive patient records
- Integrated specialist charts
- Treatment planning
- Student authorisation, grading and progress monitoring
- Professional portfolio
- Stock and instrument management
- Reporting, dashboards and research

### One software - Configured & integrated to your institution

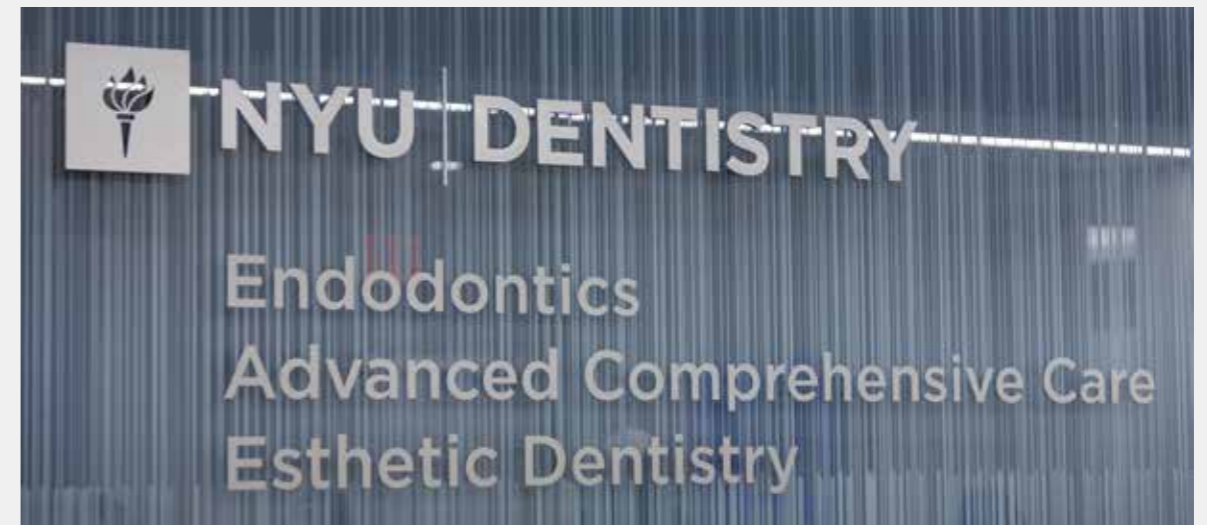
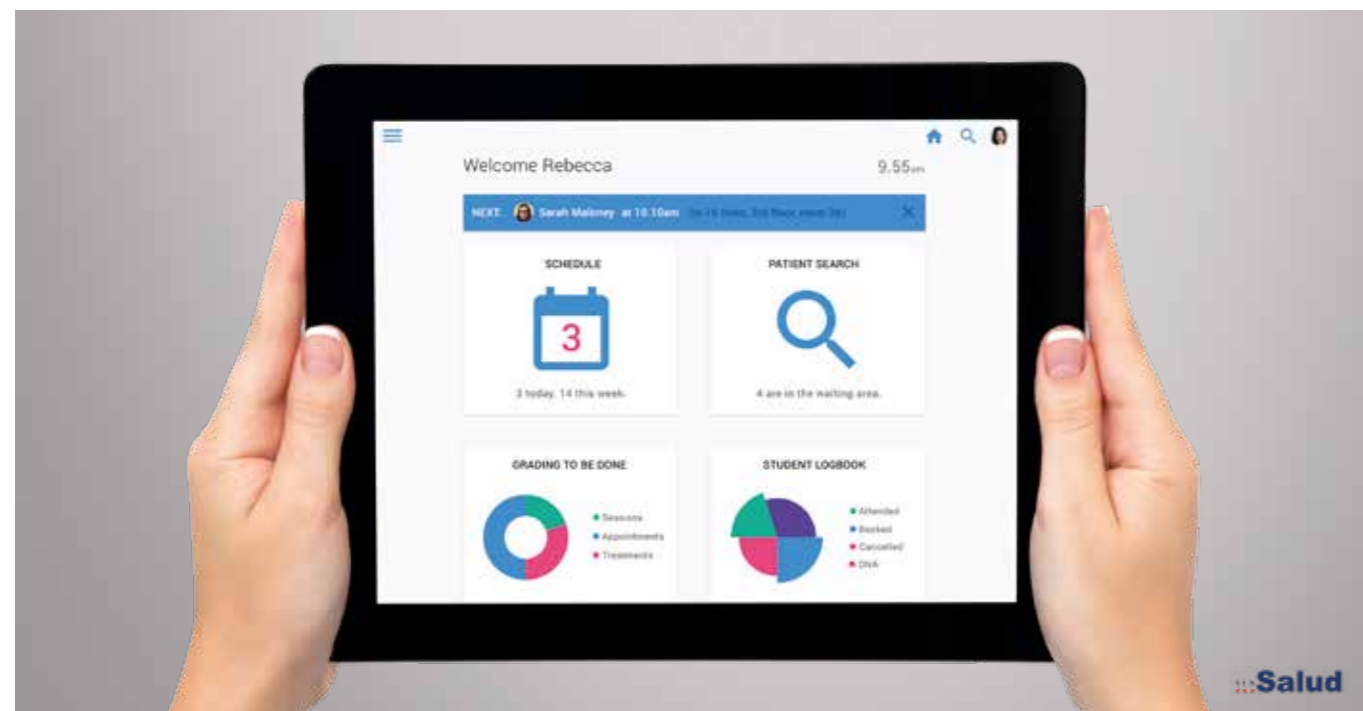
Salud is highly flexible and modular; it connects with peripherals such as barcode readers, electronic signature pads, devices and other software providing interoperability within your clinic. All Dentsply Sirona products can be integrated with Salud, providing a digital workflow and paperless environment.

### Benefits to clinics and large institutions

- Real time reporting and research delivers faster and more accurate decision making
- Single system to connect and manage all departments and locations.
- Central visibility of activity throughout the organisation in every location.
- Enhanced operational efficiency leading to increase in revenue, improved productivity and better patient care.

### Benefits for education

- Transparent and objective grading for clinics, preclinic and labs
- Student and professional activity logbooks
- Supervisor approval process for students and early graduates
- Enhanced student experience and satisfaction.



## Case study

### New York University, College of Dentistry, Endodontic Suite

Established in 1865, the NYU College of Dentistry (NYUCD) is the third oldest dental school of the United States striving to achieve academic excellence and provide best oral health care across all special fields of dentistry. As the largest dental school, the NYUCD educates about 1,900 students and is known for being highly diverse and international as well as its engagement in research.

### Project Type

Remodeling with new equipment

### Initial situation and challenges

Exchange of old equipment under extreme time pressure and logistic challenges: the project could only be carried out during the 3 months summer break. Within this time demolition, renovation work and installation was successfully completed and the Endodontic Suite was fully operational again when students returned from their holiday.

With the old equipment it was not possible to work with chairside radiographic units because of the restricted space. Thanks to the smart room layout proposed by Dentsply Sirona, chairside imaging could finally be integrated into the workflow.

### Products

The endodontic suite features a fully-integrated computer network with best-practice case

management software and is equipped with 36 Intego treatment centers, an Orthophos SL 3D CBCT and 19 Heliodont intraoral X-Ray units, as well as various restorative and endodontic products of Dentsply Sirona to ensure the state-of-the-art academic standard.

### Objectives and Outcomes

The Dentsply Sirona Endodontic Suite opened its doors in September 2016 and is now one of the most sophisticated suites in the United States. It employs the most advanced educational and patient care technologies available.

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“At NYU, the scarcest commodity is space. The Dentsply Sirona Endodontic Suite is a magnificent example of a brilliant use of space. It is the lodestar for future renovation projects at NYU, the one that people will look to again and again, and it is a major contribution to the education of our students.”

Robert Berne  
NYU Executive Vice President for Health

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# Partnership

## Consulting

Whether you offer dental education or are part of a large clinic, Dentsply Sirona provides a range of options to create the right kind of working and teaching environment well into the future. Dentsply Sirona Clinic Solutions is a leading manufacturer of robust, safe and

### Maximizing your benefits

Dentsply Sirona has over 60 years' experience providing educational solutions and delivering projects on time and on budget all over the world. We have a deep understanding of project management for dental education, combined with a commitment to flexibility that will enable us to design the optimum learning environment for your requirements.

### Customized solutions

Technical standards, infrastructural conditions, legal restrictions: Every clinic struggles with external guidelines and requirements. However clinic-internal factors such as teaching concepts, the integration of existing equipment or the rentability of business sectors, have to be considered as well. No clinic resembles another. In terms of your needs, Dentsply Sirona is a flexible partner. Therefore, the first step is a clinical consultation with focus on your individual needs. Together, we will define right solutions for your demands – always in compliance with international standards and if necessary, with reputable partners worldwide.

future-proofed digital dental equipment and dental education systems. We offer a complete solution to all your needs, all backed by an extensive global network, and support you from the first consultation until the inauguration ceremony.

### Asking the right questions

#### Defining your needs

Once we have found the best way forward we'll make sure our proposal exceeds your expectations.

#### Benefit-cost analysis

Carrying out a rigorous benefit-cost analysis makes it easy to see what you really need and will benefit most from putting in place.

#### Technology assessment

We work with you to define your vision and a realistic budget that will prepare you for a bright future.

#### Local and international compliance

We are expert at making sure clinic planning fulfils all local compliance requirements and your equipment complies with international standards.



"We decided in favor of Dentsply Sirona as this company ticked all our boxes. Two factors were especially important to us: the quality of the innovative equipment and the service and support offered to both teaching facilities even during ongoing operation. We were more than satisfied with our decision over the entire course of the project. We kept to our planned budget and everything was finished on time."

Prof. Roy Judge, Associate Professor, Head of Prosthodontics and Academic Clinical Director Melbourne Dental School, University of Melbourne, Australia



# Partnership

## Planning

### Comprehensive planning considering all criteria

When it comes to clinic planning, we will put together a comprehensive proposal that covers all the necessary educational, technical, environmental and financial factors. As your project planners, we will design the technical infrastructure, select medical furniture and put powerful infection control measures in place.

### Finding the right solution

Planning a completely new building, upgrading or exchanging equipment, or planning to integrate digital technologies into your teaching? We're with you every step of the way:

#### Clinic layout

Optimized floor space supporting efficient and ergonomic daily workflows

#### Infection control

Safe processes when it comes to waterlines, suction tubes and external surfaces

### Best results

As your planning agency, we manage the design of a clinical concept offering the best in clinic architecture. The layout that results is optimized for efficient and ergonomic daily workflow, best possible use of floor space and practical material flow.

#### Technical infrastructure

Cost-effective solutions for piping, cabling, water, air/suction and electricity

#### IT infrastructure

Seamless integration into existing networks and dental information management systems

"Dentsply Sirona and our local dealers worked very constructively together to support us. This proved to be very important in terms of the obstacles we faced.

Unfortunately, the construction company did not complete all elements as required for the installation of the units. Thanks to Dentsply Sirona's expertise and assistance, we were able to make the necessary changes to the infrastructure and, in the end, the dedicated staff at Dentsply Sirona managed to deliver and install everything on time and we kept to the ambitious schedule."

Professor Mohamed B. Hassanin,  
Director Dental Clinic, University of Jazan

## See the full potential of your project

### 2D, 3D and Virtual Reality

The realistic visualization of a project makes the construction process more coordinated and precise. There are various ways to graphically represent your ideas. Classic two-dimensional floor plans continue to be the indispensable basis for precise planning, for both architects and building technicians. However, actual users often find it difficult to imagine their daily working environment and work processes just from these black lines on white paper.

The team of experts at Dentsply Sirona thus has a design team specialized in both precise two-dimensional floor plans and 3D simulation. In the interactive 3D floor plan, the customer is guided through all the rooms and levels of the new clinic complex, both from a first-person perspective and as a bird's-eye view.



# Partnership

## Full-service provider

### Our respected and reliable partners

Over the years, Dentsply Sirona has built up excellent relationships with some of the most trusted names in the industry, who serve as project partners with their industry-specific expertise. We act as your single point of contact, managing a team of experts, guaranteeing smooth collaboration and on-site project management. Projects are completed on time, on budget and based on your exact specifications.

### Patients with special needs

Design Specific are designers and manufacturers of the world's finest Wheelchair Recliners and Bariatric Treatment Chairs. Special needs equipment that is truly fitted to the special needs of Dentistry. Elimination of risky patient handling reduces treatment times and the elimination of hoisting enhances the patient experience.



The Compact Wheelchair Platform negates the use for hoists making the patients and dentists experience easy. Setup time is in seconds.



Comfortable treatment of patients in wheelchairs combining a wheelchair recliner with Intego Ambidextrous.



### Planning Agency



#### Boagon

Boagon – Heftrig und Schwiersch GbR is a planning agency with a technical focus. In the field of dentistry Boagon counts over 60 references worldwide.

### Phantom Heads



#### Frasaco

Frasaco is the premier choice for universities and dental students when it comes to simulation that has to be as realistic as possible.

### Multimedia Collaboration System



#### EBS

EBS Euchner Büro- und Schulsysteme GmbH/Educational & Business Systems is a leading German manufacturer of multimedia educational systems and collaboration systems with more than 1 million training workstations installed around the world.

### Compressors and Suction Systems



#### Kaeser Dental

Kaeser Compressors is one of the world's leading compressor manufacturers and compressed air systems providers. Headquartered and producing in Germany – successful around the globe.



#### Dürr Dental

Dürr Dental sets the benchmark for both compressed air and suction systems. As one of the leading manufacturers, they provide solutions for dental clinics and universities with several hundred treatment or simulation workstations. Made in Germany.



#### Cattani

Cattani stands for unparalleled quality, performance and service within the dental industry. This is the result of dedication and specialization in the field of Dental Suction, Compressors and Suction Surgery Disinfectant, innovation spanning almost 50 years.

### Cabinetry



#### Freuding dental+medical

Freuding dental+medical is backed by a tradition in planning and constructing furniture for laboratories and clinics that goes back more than 40 years. Furnishing by Freuding – that's the individual furniture concept "Made in Germany".

### Microscopes



#### ZEISS

The Zeiss surgical microscope technology for dentistry provides breakthrough visualization modes that introduce new applications to microdentistry, enhancing the quality of examination and treatment.

### Dental Management Software



#### Salud

Two-Ten Health supplies Salud, an Electronic Dental Record comprehensively managing all aspects of any dental environment including appointments, charting, student supervision, billing and reports.

# Partnership

## Education

### Support and training worldwide

Over the years we have built the broadest clinical education platform in the industry, helping dental professionals get the knowledge, skills, inspiration and certification they need to stay up-to-date as well as refine themselves and their practices. The Dentsply Sirona Academy educates approximately 350,000 dental professionals every year across an extensive

range of clinical, technical and practice programs worldwide. We also have the largest practice support team in dentistry, with over 4,000 dedicated people supporting our customers every day.

As a Dentsply Sirona customer, you enjoy regular product updates and news as well as sharing experiences and insights as part of a global community.



Courses in  
80 countries



4,000 people to  
support customers



350,000 training  
participants/year



On-site 3-day user training for lecturers and students of the new Treatment Centers by Dentsply Sirona product specialists, ensuring the best possible product handover. Universidad Central del Ecuador in Quito.

## Research programs

### Innovative solutions

As the global technology and innovation leader, we spend over \$125 million every year to advance dentistry, and have the largest R&D platform in the industry with over 600 scientists and engineers. Dentsply Sirona Research creates the insight and knowledge needed to develop next generation solutions, often collaborating with others who share the same goal. At any point in time we are engaged in more than 50 clinical studies, testing innova-

tions to prove they are safe, effective and can be used with confidence. Every year these efforts enable us to launch over 30 innovative solutions that improve dental care. Dentsply Sirona has a long-standing record in supporting dental research. We recognize the importance of research and its impact on clinical outcomes. Dentsply Sirona supports and stimulates dental research both at the post graduate as well as the student level.

## SCADA

### Dental student research competition

Dentsply Sirona encourages innovative thinking through our longstanding support of the SCADA program. SCADA was launched as a joint venture between then, DENTSPLY International and the American Dental Association in 1959, during the centennial session of the ADA in New York City. SCADA's mission is to advance the art and science of dentistry by introducing predoctoral students to the world of dental research. By immersing themselves in research, students learn how to apply the scientific method to best serve their patients, as well as broaden their understanding of career opportunities in dentistry.

"When you look at our researchers,  
when you look at our department  
chairs, when you look at  
our deans, many of them  
are former SCADA clinicians."

Richard Tatum, DDS, MPH,  
past president of SCADA



# Partnership

## Dentsply Sirona

### For better, safer, faster dental care

Dentsply and Sirona joined forces in 2016 to become the world's largest manufacturer of professional dental solutions. Our trusted brands have empowered dental professionals, in both practices and laboratories, to provide better, safer, and faster care in all dental disciplines for over 100 years. Now, working together under one brand, we are dedicated to continuing this journey for many years to come. Together we have unmatched scale and resources and are committed to using them to continue driving innovation and helping dental professionals achieve more than ever before.

As The Dental Solutions Company™, Dentsply Sirona provides dental professionals a comprehensive end-to-end solutions offering. This offering includes some of the best-known and established brands in the industry. We develop, manufacture and market a complete line of dental and oral health products, including general dental supplies and devices, CAD/CAM restoration systems (CEREC and inLab), a full suite of dental restorative products, digital intra-oral, panoramic and 3D imaging systems, dental Treatment Centers, hand pieces, hygiene systems, and dental specialty products in orthodontics, endodontics and implants.

### Procedural solution

- Preventive
- Restorative
- Orthodontics
- Endodontics
- Implants
- Prosthetics

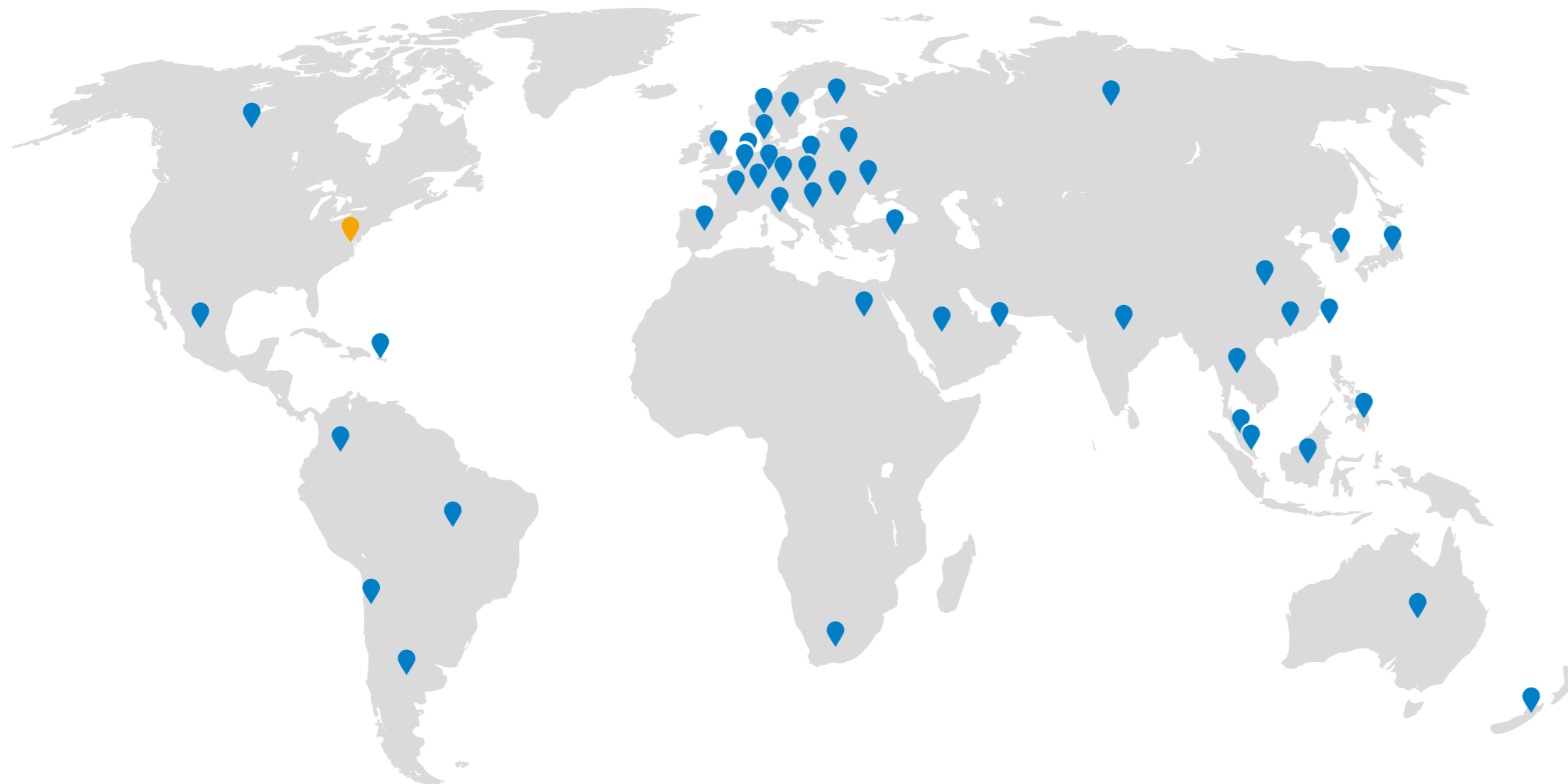
### Enabling technology

- CAD/CAM
- Imaging
- Treatment Centers
- Instruments

We are proud to be a preferred partner for dental practices, clinics, dental laboratories and authorized distributors worldwide.

### Largest global footprint in dentistry

Dentsply Sirona employs a workforce of approximately 15,000 employees with locations in more than 40 countries worldwide. With a sales presence in more than 120 countries.



### Dentsply Sirona – The dental solutions company

The largest global infrastructure in dentistry, committed to leading education and innovation with proven solutions to improve efficiency and advance patient care

#### • Education

Dentsply Sirona Academy educates over 350,000 professionals annually in almost 11,000 courses in over 80 countries

#### • Support

Over 4,000 people support customers every day

#### • Development

As the global technology and innovation leader, we spend over \$125 million every year to advance dentistry, and have the largest R&D platform with over 600 scientists and engineers

#### • Research

Dentsply Sirona Research creates the insight and knowledge needed to develop next-generation solutions, often collaborating with others who share the same goal

#### • Studies

At any point in time we are engaged in more than 50 clinical studies, testing innovations to prove they are safe, effective and can be used with confidence

#### • Innovative solutions

Every year these efforts enable us to launch over 30 innovative solutions that improve dental care

Dentsply Sirona's headquarter is located in Charlotte, North Carolina. The company's shares are listed in the United States on NASDAQ under the symbol XRAY and in the 12 months ended December 31, 2019, the combined company had pro-forma revenue of approximately \$4 billion.

## Dentsply Sirona

Sirona Dental Systems GmbH  
Fabrikstraße 31, 64625 Bensheim, Germany  
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## Procedural Solution

Preventive  
Restorative  
Orthodontics  
Endodontics  
Implants  
Prosthetics

## Enabling Technology

CAD/CAM  
Imaging  
Treatment Centers  
Instruments