Dentsply
Sirona

Do more with certainty

Dentsply Sirona Imaging Solutions for Implantology

dentsplysirona.com

Changing the Face of Implantology

Digital integration, ever reducing radiation exposure levels, and increasingly enlightened patients are all topics that influence how you practice each and every day. With Dentsply Sirona Imaging Solutions, we're not just designing quality equipment, but solutions that give our customers the tools and support needed to provide the best possible care to their patients. Dentsply Sirona has been a pioneer in the field of X-rays for more than 125 years, establishing new methods and innovations in the field of imaging – ones that will allow you to face your daily challenges efficiently and in an improved way. True to our motto: See more. Do more.

The right system for implantology. More than X-rays.

Pure imaging is no longer enough. Of course, image quality is key when it comes to modern X-ray systems, because the quality of the clinical X-ray data is the basis for the following diagnosis and treatment. Faster, better diagnostics, safety in treatment, better communication with the patient, and efficient, uncomplicated workflows, are all things we have taken into account when designing our imaging units. We pride ourselves on not only providing high-quality images, but also safe and comfortable patient experiences, basing all of our units on the ALARA principle. We make sure that you get the best possible images in a dose range that is as low as reasonably achievable.

The advantages at a glance

- Easy and safe diagnostics based on high image quality.
- Intelligent Low Dose CBCT images in the dose range of a 2D X-ray reducing patient radiation exposure.
- Efficient workflows and smart connectivity, reducing valuable time spent switching between different X-ray and planning softwares.
- Multiple options facilitating the planning and production of surgical guides in-house, with a local lab, or with centralized labs (Simplant or Sicat).

The Dentsply Sirona Implantology Workflow

To save time, grow your business and provide your patients with the best possible care, you have all the support you need with the Dentsply Sirona implant workflow. At each step of the workflow, from data capturing, planning and guided surgery to the final restorative solution, Dentsply Sirona gives you the possibility to customize what fits your needs best. Whether that is an entirely in-house solution or the preference to outsource particular steps of the workflow. For a better, more secure and faster implant treatment.

Improved accuracy

With accurate data capturing and precise implant planning, you can efficiently plan and place your implant with clear information regarding optimal bone position, while ensuring an ideal emergence profile. This allows you a decisive view of the interproximal spaces to the adjacent teeth – helping to avoid "food traps" for the patient.

Faster

Thanks to the efficient workflow, with seamlessly integrated products from a single source, you are fully supported in the planning and implementation of your implant treatment. And for additional support and precision, you can produce high-quality surgical guides with the help of our hardware and software solutions with minimal effort.

Safer

All products are highly intuitive and support you through the implantology workflow, from start to finish. A high-quality X-ray is the basis for a successful and accurate implant treatment and your treatment planning is just a few clicks away, creating a truly seamless workflow, saving valuable time in your practice.

Plan

Diagnose

Sicat® Implant 2.0

CEREC®

Sidexis® 4

Consult

Sidexis® 4

Sidexis® iX

Treat

5 Ncm
amount of Coolant: 50%
Twist Drill S or L D

Implant Terminal

Dentsply Sirona Implants

Sicat® and CEREC Guides

Axeos

Orthophos®, Heliodent Plus®, Xios XG Supreme

Implants 100% made by you!

Whether you're new to implantology or an expert, we have a safe and efficient workflow optimized for your practice. The Dentsply Sirona implant workflow combines digital impressions and computer-assisted design from CEREC with the X-rays from your Axeos, Orthophos SL 3D or Orthophos S 3D. This provides you with the best possible support in achieving predictable, safe and efficient implantation with excellent results.

1

2

3

Data acquisition and analysis

For an accurate and reliable diagnosis, it is important to have a complete overview of the given situation. Capturing a CBCT image is the first step in the implantology workflow in order to gain important information about the bone structure and the anatomical situation of the patient. The CBCT will be immediately displayed in Sidexis 4, showing diagnostic information in a clear format. The workflow can then seamlessly continue with the acquisition of the digital impression.

Implant planning

Once the scan is complete, the CAD/CAM and CBCT data are then combined and used in the Sicat Implant 2.0 software. The implant position can be adjusted according to aesthetic preferences and the anatomical situation. The planning results can be used to mill a CEREC surgical guide completely in-house. Alternatively, you can also order a surgical guide directly in the software from Sicat or outsource it to a local lab.

Guided Surgery

A surgical guide is used to place the implant safely and precisely in the desired position. Following the surgery, the final position of the implant is checked with an intraoral X-ray image with the Xios AE intra-oral sensor. Alternatively, you can use Axeos 3D, Orthophos SL 3D or Orthophos S 3D to create a CBCT in the dose range of a 2D X-ray.

4

5

6

Post Op Check and Digital Impression

After a healing time of 3-4 months, the osseointegration can be checked on the basis of an intra-oral radiograph with the Xios AE intraoral sensor. For the individual prosthetic, another digital impression with e.g. the CEREC Primescan will be performed.
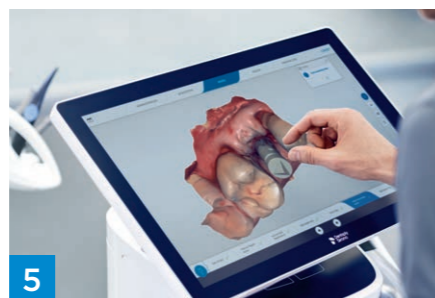
Prosthetic Design

During the fabrication of your prosthetic, CEREC software provides the complete scan and calculates an individual prosthetic design. As an alternate option, you can also connect to a partner laboratory.

Final restoration

In the final step of the process, you will mill your crown with a CEREC milling unit. You can then decide to additionally sinter and glaze your crown with the CEREC SpeedFire, transferring the final result using the CEREC TiBase to secure the implant in place. As an alternative, you can outsource this step to your local lab or let Atlantis produce the abutment and prosthetic for you.

Guided Surgery

At Dentsply Sirona, we develop, supply and support implant solutions for every clinical situation. We offer three high-quality implant systems (Ankylos, Astra Tech Implant System and Xive), with which you can achieve even better results in implant dentistry. Together with CEREC Guide 2 or 3, you can provide your patients a high level of precision and clinical safety. If you prefer, you can outsource this step of the process to Sicat who will create your guides for you, offering a safe and accurate solution. Whether you would like to manage your entire workflow internally, collaborate with a local laboratory, or use a third party provider, we are here to support you.

CEREC Guide 2

CEREC Guide 2 streamlines the implant process by giving the doctor full control of the patient-individual OP lines. A unique lateral access enables a full adjustment for vertical, space-saving processes and offers you a number of advantages to help support the implanto-logical process. The guide can be milled quickly and minimal labor time is needed for the entire production process. CEREC Guide 2 is designed for common Implants from leading third-party manufacturers.

CEREC Guide 3

With Dentsply Sirona Implants and CEREC Guide 3 you are ensured the safety of a precise, "fully guided" proce-dure. This means that all surgical steps, from the initial soft-tissue punch to the final implant placement, can be carried out with the support and accuracy of the template. The "Sleeve-on-Drill" system from Dentsply Sirona Implants replaces the drilling key that is typically used in guided surgery. The pre-assembled drill sleeves save you a supportive hand and guarantee the precise transfer of the implant planning to a successful execution and outcome. The guide can be milled quickly and minimal labor time is needed for the entire production process.

Sicat OPTIGUIDE

Sicat OPTIGUIDE is utilized daily by dentists worldwide. The digital workflow enables you to integrate optical surface scan data, including prosthetics within Sicat Implant 2.0. Every case is reviewed and you receive a highly precise surgical guide with certified production accuracy.

www.Sicat.com

Sicat DIGITALGUIDE

Sicat DIGITALGUIDE is the first Sicat STL guide that is available for 3D printing in-office, in a Sicat partner lab or lab of choice. The experienced Sicat team supports you during the implant planning process with their expertise of more than 15 years and provide you with the surgical guide design.

For more information on Dentsply Sirona CEREC CAD/CAM Systems or Dentsply Sirona Implants, please visit dentsplysirona.com or contact your local Dentsply Sirona sales representative.

Implantology Made Easy

True accuracy and optimal implant alignment thanks to the perfect integration of software and hardware – Dentsply Sirona represents quality and efficiency and this is reflected in your implant workflow. Whether you are a beginner or an advanced implantologist, Sicat Implant 2.0 will guide you through the implant planning process with its user friendly navigation and clear planning steps to a safe and successful case outcome. Thanks to the colored visualization of the nerve canal and the representation

of the bone supply in all dimensions, the implant is optimally aligned with the anatomy of the patient. Detailed clinical information provided by your initial scan and CBCT image combine to help facilitate precise planning and assist in eliminating unforeseen clinical obstacles. In combination with the efficient guided workflow, you will enjoy safety and accuracy in your work and your patients will enjoy a limited number of treatment sessions.

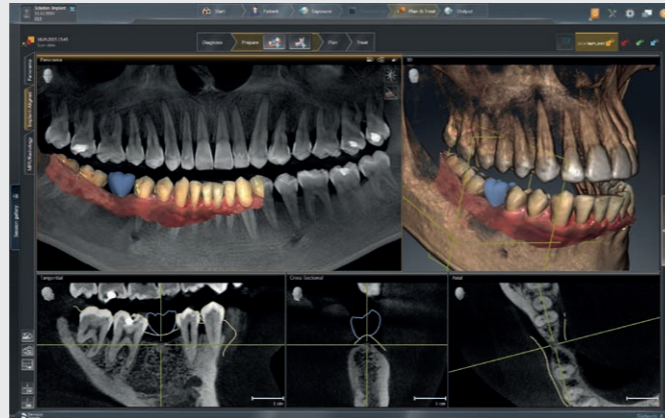## Step by Step: Implantology with Sicat Implant 2.0 in your practice

1 Preparatory work:
Scanning and Reporting

For certainty in your diagnosis, you must be able to view the situation from all angles. Dentsply Sirona's 3D X-ray systems generate brilliant CBCT images, which are then evaluated in the Sidexis 4 imaging software. As a CEREC user you also have the option of taking a digital impression of the region around the tooth gap and planning a prosthetic proposal.
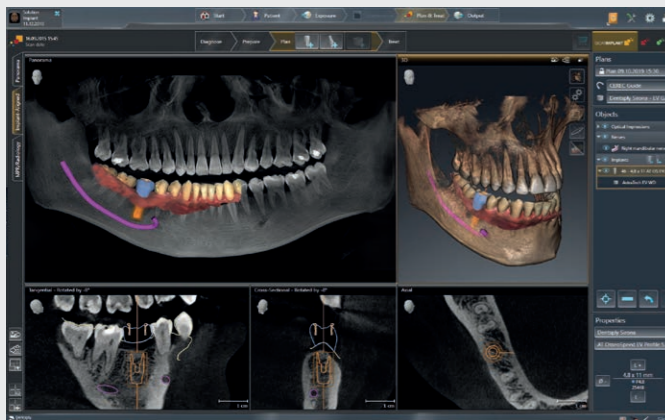
2 Optional:
Overlay of CBCT and CAD/CAM data

If you work with CEREC Primescan or CEREC Omnicam, you can easily import the CAD/CAM data of the digital impression as well as your prosthetic proposal into Sicat Implant 2.0. STL data sets from other manufacturers are also suitable for superimposition. The overlay ensures that the implant can be optimally planned according to the restoration axis.

3 Drawing the nerve channel

Sicat Implant 2.0 allows you to mark the nerve canal intuitively and with just a few clicks: Simply click on the nerve canal and continue with single clicks along the nerve canal until you have successfully marked the entire nerve. Corrections (moving, deleting, widening, etc.) are uncomplicated and possible at any time.

4 Select the implant

Sicat Implant 2.0 contains, in addition to the implants from Dentsply Sirona (Ankylos, Astra Tech, Xive and MIS), one of the most comprehensive databases of implants and abutments from the major manufacturers. Regular updates are carried out in cooperation with numerous suppliers to keep the selection of implant systems up to date.

Sicat Implant 2.0 Software

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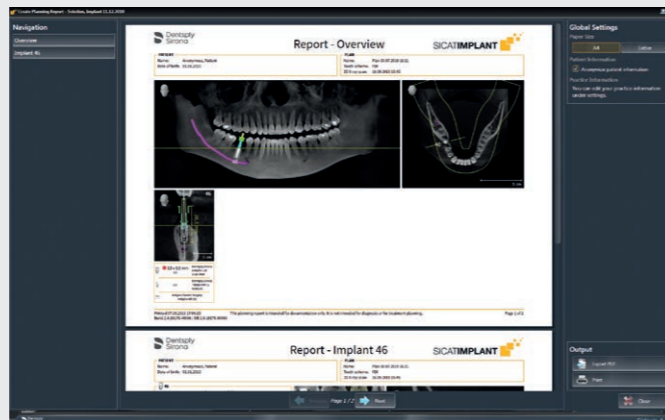
5 Positioning the implant

With a few clicks you can find the optimal implant position in the bone. Thanks to the 360° rotation around the implant and the automatic collision warning in relation to the marked nerve canal and other planned implants, you will quickly reach the optimal implant placement. With the prosthetic proposal, the implant axis can already be optimized for the future crown.
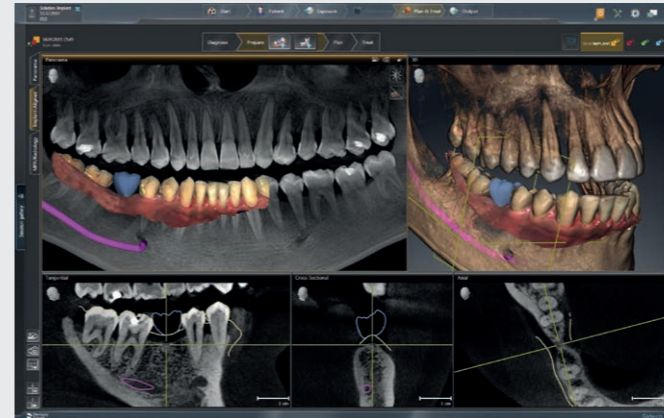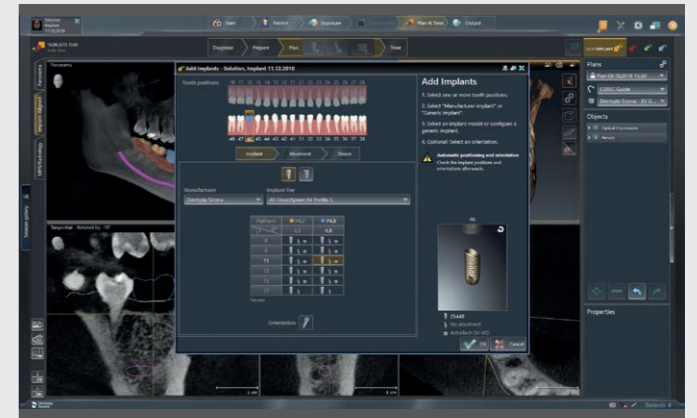
6 Document your planning

With the available planning report you can document the results of your implant planning with one click and print them out, e.g. for the upcoming surgery.

7 Optional: Order or produce a surgical guide

Depending on your requirements, there are several possibilities to create a surgical guide in order to place the planned implant fully guided. You can order the guide directly from Sicat in the Sicat Implant 2.0 software, or send it to a local laboratory. For a fully in-house workflow you can produce it directly with your CEREC milling unit in your practice. This allows you to remain flexible and decide for yourself what the right fit and process is for your practice.

Sicat Implant 2.0 Software

Sicat Implant 2.0 Software
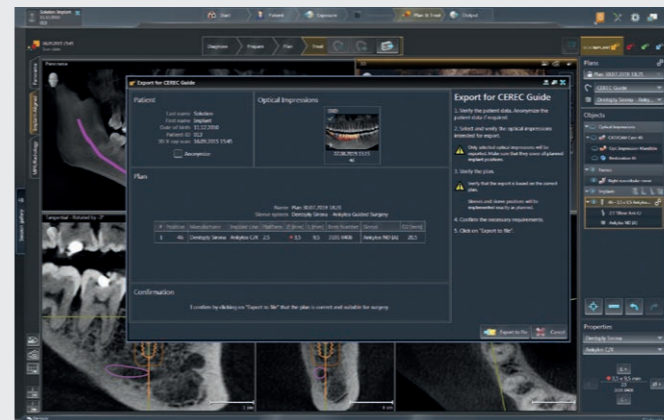
Sicat Implant 2.0 Software

The advantages at a glance

• Simple and precise planning

• Successful implant placement in only three sessions

• Higher treatment acceptance

• Facilitates simple and efficient guide production

The advantages at a glance

- Modern design, intuitive operation
- Simple overview of patient history, thanks to the intuitive Timeline
- Easy import and export of DICOM data records

Sidexis 4

## Optimum Workflow with a Clear Structure

An X-ray unit can only show its full potential when it is able to seamlessly integrate into your practice environment and your daily workflows. Our imaging software, Sidexis 4, is the center of the Dentsply Sirona digital workflow and the interface to practice administration and planning software.

Simple overview of patient history with the Timeline

To optimally support the processes in practice, Sidexis 4 combines a wide variety of sophisticated tools with an intuitive, modern design. Not only do you have all of the necessary tools and images at your disposal, but through the use of the multi-award-winning operating concept, they are always just a few simple clicks away.

The Sidexis 4 digital lightbox works flexibly with the various types of images and allows both 2D and 3D images to be examined and displayed seamlessly and simultaneously within the same workspace. The highly intuitive Compare Function allows you to conveniently analyze multiple images simultaneously, this ensures true ease while diagnosing your patient and establishing a treatment plan. Sidexis 4 supports true efficiency in practical processes.
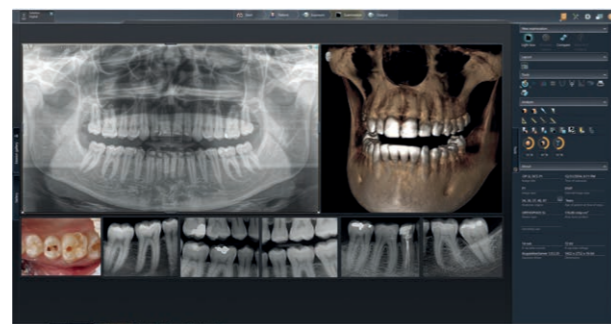
Versatile Software Solutions

Awaken the full potential of your practice equipment

Intelligent imaging software provides you more than just efficient and intuitive access to your X-rays. It supports your treatment and makes it possible for you and your practice to offer a broader range of services. In addition, it also increases patient satisfaction through modern communication and a deeper understanding of your treatment proposal. Therefore, we at Dentsply Sirona make sure that our high-quality practice equipment is always accompanied by an intelligent software solution.

Sidexis iX

Patient experience is one of the most important factors for the success of a dental practice. This is why Sidexis iX is such a dynamic partner that offers you true mobility, as all your Sidexis 4 patient files are readily available on an iPad. This provides the patient the opportunity to hold their X-rays directly in their hands, fill out the anamnesis form themselves in an easy digital format and facilitates implant visualization with the ability to choose from different implant models, modifying the size and angle with ease. This is an important contribution to simple and clear patient education and improved acceptance of the treatment plan. In combination with Sidexis 4 and its integrated planning applications and various functions, your patient communication is now fully mobile and efficient.

Image quality technologies for implant dentistry

Better images, better diagnostic accuracy
Dentsply Sirona imaging devices score points in practices around the world with their innovative technological features and precise images. All programs and recording parameters are adapted to the specific tasks and offer you more possibilities. Discover the following technologies that make your treatment analysis easier.

DCS Technology

Sharpness down to the last detail

The Direct Conversion Sensor (DCS)* has redefined the standard of panoramic imaging. X-rays are directly converted into electrical signals – in contrast to conventional sensors, there are no signal losses due to light conversion. This means an improved yield of image information for you. The result is images with high sharpness and detail capture – even with a low dose.

Traditional digital panorama recording.

Axeos and Orthophos SL with DCS Sensor Technology.

Without DCS

X-ray   Light   Electrical   Image
                  Signal

With DCS
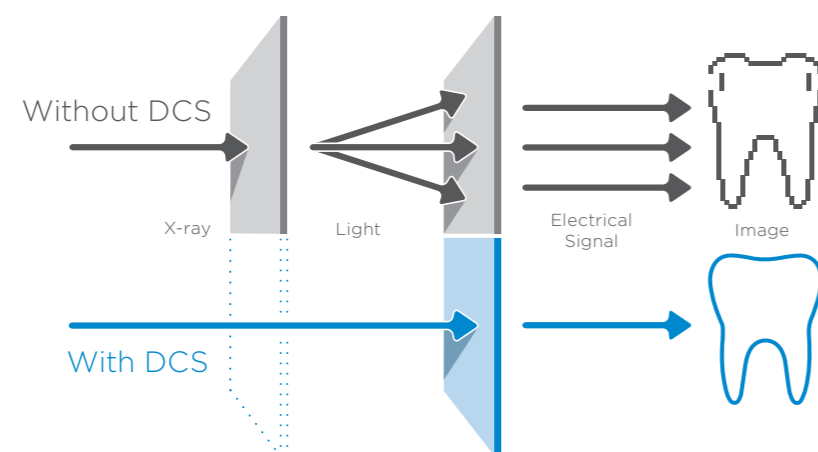
* Only in Orthophos SL and Axeos.

## Automatic Metal Artifact Reduction (MARS)

Metal artifacts can be a challenge in 3D X-ray imaging. X-ray density creating shadows in three-dimensional reconstruction of objects and stripe effects. MARS (Metal Artifact Reduction Software) automatically reduces metal artifacts in 3D images using reliable algorithms.

without MARS

with MARS
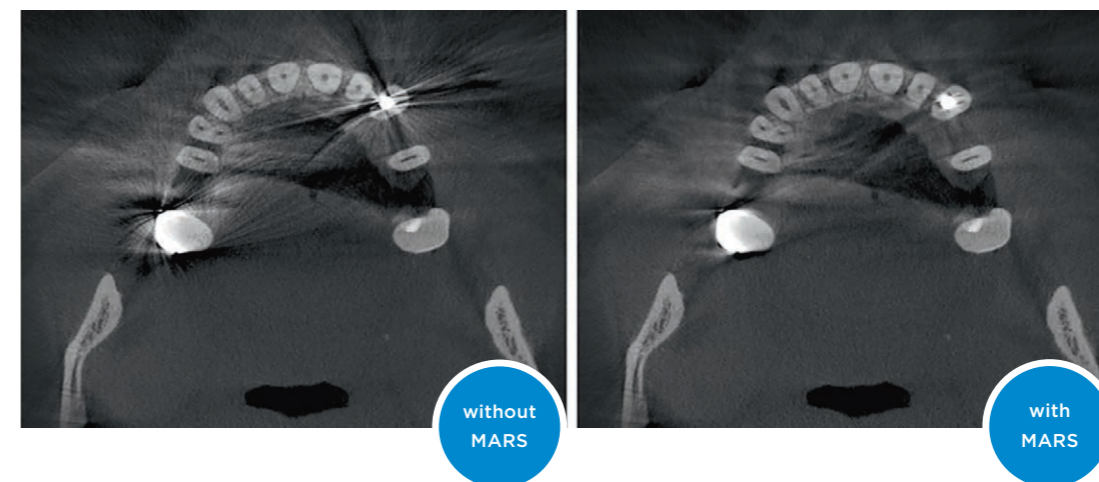
Autofocus – High-Quality Imaging, Fully Automatic

See more: To obtain a panoramic X-ray image with a high degree of sharpness the right focus is essential. The jaw must be in the recording layer of the device. To do this, Axeos and Orthophos devices create several thousand individual images in a single cycle and automatically recognizes the areas in which the jaw is optimally positioned. These are displayed in an overall picture with high sharpness and without any manual intermediate steps.

Autofocus function in Axeos and Orthophos SL/S: for sharp images
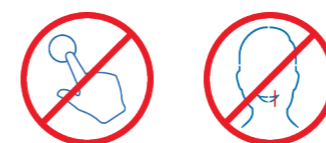
Orthophos SL/S and Axeos devices focus all areas of the jaw automatically and without manual intermediate steps. The result: images with high sharpness and clear details.
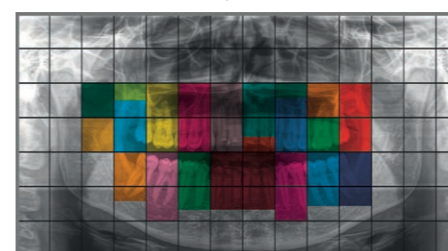
The autofocus function automatically focuses all areas of the jaw.

The result: images with high sharpness.

The third dimension makes the difference – with Intelligent Low Dose CBCT images in the dose range of a 2D X-ray

Thanks to the Intelligent Low Dose mode with a dedicated filter, the imaging of dense structures, such as bones, is possible at a greatly reduced dose. This makes Intelligent Low Dose an attractive and efficient option for many clinical situations. Whether in orthodontics or implant dentistry - with Dentsply Sirona solutions you will find the right setting for every case. Especially in implant dentistry, e.g. for implant control, this offers unbeatable advantages for you and your patients.

Examples
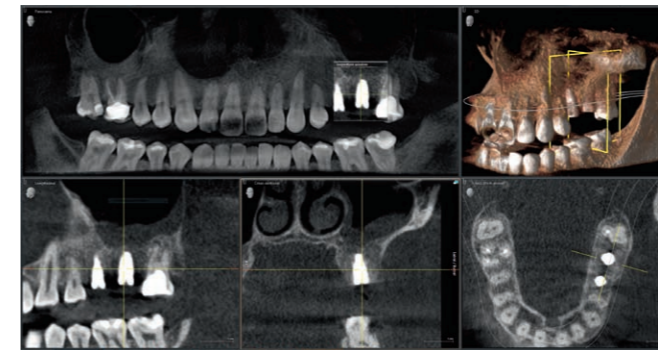
Implant control in the maxilla.
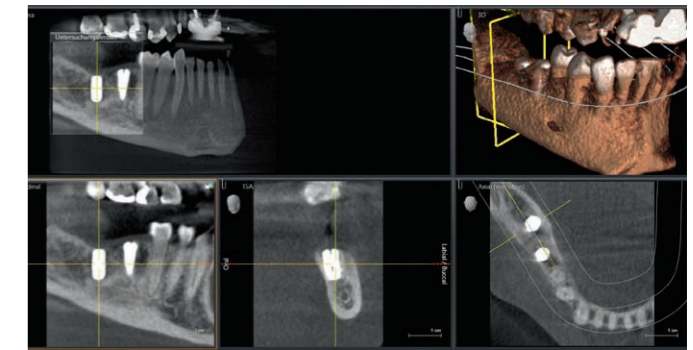
Implant check at 6 µSv.

As versatile as your practice life

With Dentsply Sirona Imaging Systems you will find the right device for every practice. From an economic entry unit introducing you to digital imaging to the perfect solution in 2D and 3D – Dentsply Sirona offers an expansive portfolio of products that have been thoughtfully designed down to the last detail in order to be the ideal partner for implantology.

Axeos

The specialty system: 2D/3D hybrid device

Axeos – the 2D/3D specialist system with a large volume and high image quality for practices with a broad treatment offering. Developed together with dentists and clinicians, Axeos provides the fullest range of functions out of all of the Dentsply Sirona extraoral X-ray systems. In addition to excellent image quality and tailor-made 3D volume sizes, the design was also heavily focused on the optimization of patient comfort. Axeos not only provides quality in performance and comfort, but also design, thanks to its integrated organization system and ambient light.

Which Dentsply Sirona Imaging System is right for you?

Whether personal preferences, specialization or even price/performance: every practice has different requirements for their X-ray device.

The advantages at a glance

• Fields of View Ø 5x5.5 cm to Ø 17x13 cm ensure flexibility in everyday practice,
• Intelligent Low Dose enables 3D images in the dose range of 2D X-rays
• Unique DCS with Autofocus function for excellent images with high sharpness in the panorama area
• Comprehensive panoramic and cephalometric programs for bitewing, sinus or cephalometric images. An optional left or right cephalometric arm can be retrofitted at any time
• Smart Height Adjustment and patented Auto-Positioner for efficient workflow and optimal patient positioning
• Integrated organization system with ambient light for biteblock elements. Illuminated from the inside and within reach of the operator

Orthophos S
The all-round system

The high-quality 2D/3D all-round system with a comprehensive performance spectrum for every practice.

Orthophos SL
The high-end system

The 2D/3D high-end system with high image quality for practices, who just want more.

Axeos
The specialist system

The 2D/3D specialist system with a large volume and high image quality for practices with a broad treatment offering.
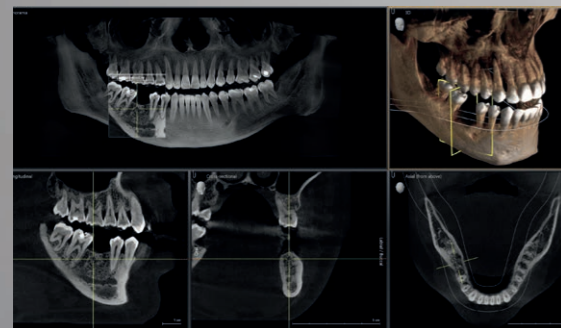
Orthophos SL

The high-end system: 2D or 2D/3D hybrid device

Orthophos SL – the high-end 2D/3D system with the high image quality for practices with a flair for the latest technologies and those who simply want more. The integrated Direct Conversion Sensor (DCS) completely redefines the standard of panaromic imaging – and delivers uniquely high sharpness. With the Autofocus technology you will automatically receive an image with the best sharpness in focus. The device features maximum ease of use thanks to auto-positioning, intuitive touchpad operation and an individually adjustable ambient light for an exclusive look and feel.

Orthophos S

The all-round system: 2D/3D hybrid device

Orthophos S – the high-quality 2D/3D all-round system with a comprehensive range of services for every practice. Whether as a pure 2D device or including a 3D module – the Orthophos S is a reliable partner and optimized for the daily tasks in the practice. Its CsI-Plus sensor with Autofocus function ensures sharp images even in anatomically difficult cases. The patented occlusal biteblock positions patients quickly and auto-matically. For use in orthodontics the device is optionally available with a cephalometric arm. And because future-proofing is important to Dentsply Sirona, the cephalometric arm and 3D module can both be retrofitted at any time.

The advantages at a glance

- Unique DCS with Autofocus function for excellent images with high sharpness in the panorama area
- Patented Auto-Positioner and biteblock for optimal patient positioning with maximum consistency and reproducibility
- Field of View up to Ø 11x10 and HD images with a resolution up to 80 μm or Intelligent Low Dose 3D images in the dose range of a 2D X-ray
- Comprehensive panoramic and cephalometric programs for bitewing, sinus or ceph images. An optional left or right cephalo-metric arm which can be retrofitted at any time

The advantages at a glance

- 2D-CsI-Plus sensor with Autofocus function for sharp details and autofocused images, even in anatomically difficult cases
- Comprehensive 2D programs for bitewing, sinus or temporomandibular joint images
- Coordinated volume sizes from Ø 5x5.5 cm to Ø 11x10 cm with Intelligent Low Dose and HD mode
- Patented Auto-Positioner and biteblock for optimal patient positioning with maximum consistency and reproducibility
- Left or right cephalometric arm for ceph images, which can be ordered optionally or retrofitted at any time

The technology you need for the care they deserve

The Dentsply Sirona intraoral family of products offers a number of options to facilitate your implant workflows. From the initial high-resolution X-ray for optimum diagnostic information to the final control image for implant placement or osseointegration, you gain a quality partner to accompany your treatment and to support the individual needs of your practice and each unique patient and situation.

With 33 LP/mm* and a special CsI layer, the Xios XG Supreme offers you a high level of image quality: low-noise, high-contrast and high-resolution X-ray images for your diagnosis, without additional unnecessary processing time. Your true partner for chairside imaging, allowing you to work alongside your patient, and eliminating lengthy exposure time and unpredictable results. With the dynamic focus control, the images can be adjusted with just the click of your mouse. Five different examination enhancements support visibility of relevant clinical information with Xios XG Supreme: Hygiene, Endodontics, General Dentistry, Restorative and Periodontics. Image sharpness, brightness and contrast can be individually adjusted in these modes.

The Heliodent Plus intraoral X-ray unit is the ideal solution for every practice. Both the modularity of the installation options and the ease of positioning exceed all expectations. Heliodent Plus provides the basis for optimum X-ray images and can be handled efficiently and safely.

Easily adaptable to your individual practice environment, its versatility grants seamless integration. From a wall installation, to a unit integrated into your treatment center and a number of other options – you can choose what fits your needs best for contemporary intraoral imaging.

* Theoretical resolution

Implants for every practice, enabling long term results and natural esthetics

Dentsply Sirona offer a broad and deep portfolio of implants, made up of products, services and solutions that together can create the ideal workflow for every practice, from imaging to restoration. Our offer includes world-class implant systems – DS PrimeTaper Implant System, Astra Tech Implant System, Ankylos and Xive – all supported by science and long-term documentation.

Feel the Difference
DS PrimeTaper Implant System is a demonstration of science and art in harmony. Its innovative design enables predictable, secure placement across the widest range of bone densities. With immediate function and seamless digital workflows, these unique implants will complement and enhance your artistry. Together we can shape the future of implant dentistry, ensuring high standards of clinical excellence, happy patients and thriving practices.

Endless possibilities for superior outcomes
Astra Tech Implant System EV offers a unique range of implants and restorative options, enabling you to deliver superior outcomes, from simple to demanding cases. The system's unparalleled marginal bone maintenance enables lifelong function and natural esthetics. On average, the bone loss after five years is only 0.3 mm, compared to the industry norm of 1.5 mm. However, we are dedicated to the continued evolution of our system and finding new ways to support smoother workflows and even better treatment outcomes for increased patient satisfaction.

Smartness in practice
Xive provides flexibility, smart treatment solutions and user-friendliness for dental professionals favoring the advantages of a tapered implant and excellent primary stability. Xive is designed to adapt to each individual case and the specific preferences of the clinician, both surgically and prosthetically. It is as intuitive as it is efficient, delivering reliability and peace of mind to dental professionals and their patients.

Excellence without exception
Ankylos deliver's long-term stability of hard and soft tissue, lasting aesthetics and reliable functionality. The system allows for subcrestal placement of the implant, thus enabling the desired emergence profile, and transgingival healing. With Ankylos you can provide something that every single patient will continue to treasure – excellent anterior esthetics.

Technical Features

Features	Orthophos S 3D	Orthophos SL 3D	Axeos
X-ray tube	60-90 kV, 3-16mA	60-90 kV, 3-16mA	60-90 kV, 3-16mA
Recording time panorama	P1: max 14.2s P1 Quickshot: max 9.1s	P1: max. 14.2s P1 Quickshot: max. 9.1s	P1: max. 14.2s P1 Quickshot: max. 9.1s
Recording time Ceph	Standard 9.4 s / Quickshot 4.7 s	Standard 9.4 s / Quickshot 4.7 s	Standard 9.4 s / Quickshot 4.7 s
User interface	EasyPad	EasyPad	EasyPad
Patient positioning	Auto-Positioner (occlusal biteblock)	Auto-Positioner (occlusal biteblock)	Auto-Positioner (occlusal biteblock)
Panorama technology	Csl Plus	DCS	DCS
Autofocus	yes	yes	yes
Ceph boom (optional)	left or right	left or right	left or right
Ceph devices with 2 sensors	yes	yes	yes
Quickshot	yes	yes	yes
FoV (dxh in cm)	5x5.5 to 8x8 / 5x5.5 to 11x10	5x5.5 to 8x8 / 5x5.5 to 11x10	5x5.5 to 17 x 13
Intelligent Low Dose	yes	yes	yes
HD mode	yes	yes	yes
Base	optional	optional	optional
Wheelchair accessible	yes	yes	yes
Remote release	optional	optional	optional
Ambient light	–	yes (background lighting)	yes (cabinet and background lighting)

Xios XG Supreme	
Sensors	
Active area sensor 0	18 mm x 24 mm
Outer dimensions sensor 0	23.6 mm x 32 mm x 7.5 mm
Active area sensor 1	20 mm x 30 mm
Outer dimensions sensor 1	25.4 mm x 38.3 mm x 7.5 mm
Active area sensor 2	25.6 mm x 36 mm
Outer dimensions sensor 2	31.2 mm x 43 mm x 7.5 mm
Physical pixel size	15 μm
Measured resolution	28 LP/mm
Theoretical resolution	33 LP/mm
Cable length	Up to max. 2.7 m
USB module	
USB port of USB interface	USB 3
Power supply	USB port
WiFi	
Technology	IEEE 802.11b/g
Charging station for WiFi function	Storage device and charger with LED status display

Heliodent Plus	
Generator type	High-frequency generator for constant high voltage
Tube voltage	Adjustable between 60 kV and 70 kV
Tube current	7 mA
Focal spot	0.4 (IEC 336)
Line voltage	120–240 V ± 10 % without switching, 50/60 Hz
Exposure time	Incrementally adjustable from 0.01 to 3.2 s
Detector media	Preset for film and Xios XG sensors, exposure times can be individually adjusted, also for imaging plates and other sensor systems
Display	Multicolored display to show the different system states
Focus-to-skin distance	Standard 20 cm, optional 30 cm
Available installation options	Wall-mounted installation with three arm lengths, model mounted on treatment center, installation with manual release, remote control or remote timer, ceiling model, ceiling combination with LEDview, mobile model

Technical Dimensions
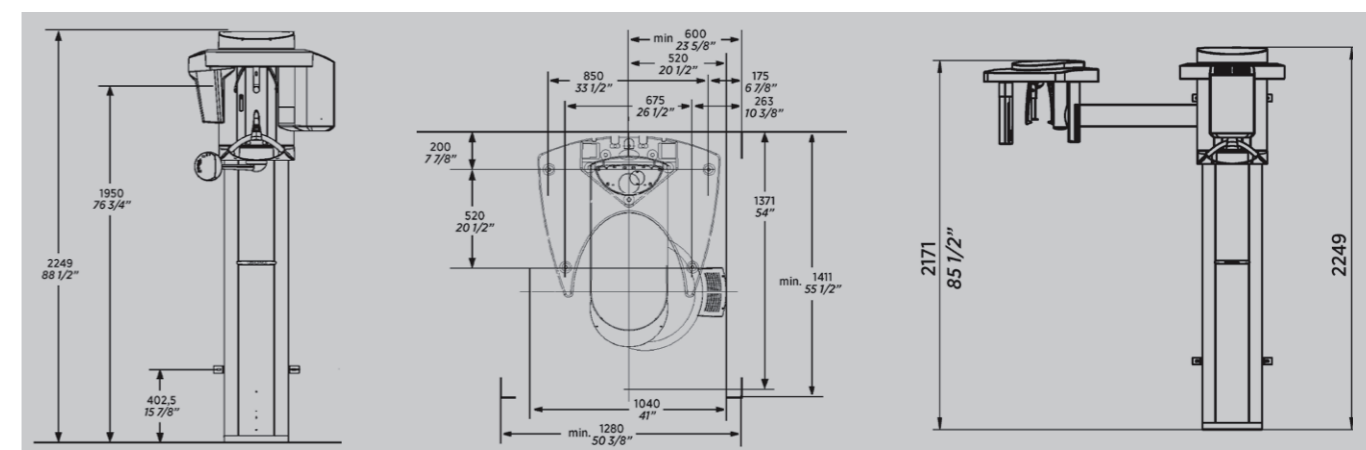
Axeos and Orthophos: space requirement min. 1,280 mm x 1,411 mm with Ceph arm min. 2,155 mm x 1,411 mm

PC Requirements

Requirements for Sidexis 4
Specification for one server and an unlimited number of workstations.

	Sidexis 4 Server	Min. for 2D Workstation	Min. for 3D Workstation
Operating system*	Windows Server 2012 R2 Windows Server 2016 Windows Server 2019	Windows 8.1 Pro (64 bit) Windows 10 Pro (64 bit)	Windows 8.1 Pro (64 bit) Windows 10 Pro (64 bit)
CPU	≥ 2.3 GHz QuadCore Processor with 64 bit (x64)	≥ 2 GHz DualCore	≥ 2.3 GHz QuadCore Processor with 64 bit (x64)
RAM	≥ 8 GB	≥ 4 GB	≥ 8 GB
Graphic card**	≥ 1 GB	≥ 512 MB	≥ 1 GB
DirectX	DirectX 10 with WDDM 1.0 or higher driver	DirectX 9.0c	DirectX 10 with WDDM 1.0 or higher driver

* For 64-bit operating systems, installation under Boot Camp is also approved.

** To ensure that the interaction with the volume rendered in 3D is reliably "jerk-free", graphic cards with at least the following passmarks are required. GPU benchmark values recommended: NVIDIA: Passmark > 1000; AMD: Passmark > 1500; Onboard: > 540.

Requirements for one image acquisition computer
Specification for only one computer needed to allow device integration in your practice.

	Axeos	Orthophos S 3D / Orthophos SL 3D	Orthophos S 2D / Orthophos SL 2D
Operating system	Windows 10 (64 bit)	Windows 8.1 Professional (64 bit) Windows 10 (64 bit)	Windows 8.1 Professional (64 bit) Windows 10 (64 bit)
RAM	16 GB	16 GB	16 GB
CPU	≥ 2.3 GHz QuadCore Processor 64 bit with SSE3 support (Intel i73xx or comparable)	≥ 2.3 GHz QuadCore Processor 64 bit with SSE3 support (Intel i73xx or comparable)	SL*: ≥ 2.3 GHz QuadCore Processor 64 bit with SSE3 support (Intel i73xx or comparable) S: ≥ Intel i3 3rd Generation or comparable RAM 16 GB
Hard drive	≥ 2 TB	≥ 1 TB	≥ 1 TB
Graphic	DirectX 11-graphic adapter (min. 4 GB RAM)	DirectX 11-graphic adapter (2 GB RAM dedicated) with latest graphic card driver	SL*: DirectX 10-graphic card (1 GB RAM dedicated) or Intel Onboard Graphics with latest graphic card driver) S: DirectX 9.0 graphic card (512 MB RAM dedicated) or Intel Onboard Graphics with the latest graphic card driver
Screen resolution	Minimum 1280 x 1024 pixels; Recommended 1600 x 1200 pixels		

* Panorama editor.

Procedural Solutions

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