

THE DENTAL  
SOLUTIONS  
COMPANY™



Dentsply Sirona Imaging Solutions

# Axeos Orthophos



reddot winner 2020

[dentsplysirona.com/Axeos-Orthophos](https://dentsplysirona.com/Axeos-Orthophos)



# Axeos Orthophos

Every dental practice is individual and unique. And every clinic has special requirements and goals. This is why Dentsply Sirona teams around the world have a clear view of how to support these wishes and needs.

Each of our extraoral X-ray units are flexibly adapted to the needs of the practice. They are tailored to support diagnosis, planning and treatment right from the start and are future-oriented and sustainable until the end. They simplify your work with: excellent image quality, intuitive operation, a modular structure and, of course, a clear, homogeneous design.

With Axeos and Orthophos, flexible solutions are created for intelligent interaction. They fit into any progressive practice and are equipped to support future practice growth.

The values that make up each Dentsply Sirona X-ray system:

- ▶ **Clinical Confidence**  
High quality and sustainable solutions designed to provide exceptional images to support greater reliability when diagnosing, treatment precision and clinical safety.
- ▶ **Smart Connectivity**  
Smoothly integrated workflows, thanks to state-of-the-art digitalization, numerous planning applications and seamless workflow automation.
- ▶ **Exceptional Experience**  
Individual, innovative design and ease of use support the practice team to work more efficiently, to reduce sources of error and provide a comfortable patient experience.

## Orthophos E

**The Digital Entry Solution**  
The preferred entry-level 2D unit for practices new to digital.



## Orthophos S

**The All-round Solution**  
The high-performance 2D/3D X-ray unit with a comprehensive range of capabilities for every practice.



## Orthophos SL

**The Power Performer Solution**  
The high-end 2D/3D X-ray unit with high image quality for practices who want more.



## Axeos

**The Practice Builder Solution**  
The 2D/3D practice performer unit with the largest field of view and excellent image quality for practices offering a broad range of treatments.



## Clinical Confidence

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Almost every treatment begins with a reliable diagnosis. It should be precise, yet quick and the image should be easy to capture. A high-quality X-ray with maximum clinical information allows you to feel comfortable and confident knowing that you have a clear view of the case and have everything needed for a successful treatment. Which is why our holistic product solutions offer you the right support for every situation down to the last detail, no matter if it is a 2D or 3D image - you're fully supported.



# See more with 3D

## Additional possibilities for your practice

3D images are invaluable in a variety of clinical tasks, e. g. overlaid teeth, unexpected canals, hidden roots or orthodontic surgery.

This makes the difference:




- ▶ Excellent image quality
- ▶ Easy diagnostics
- ▶ Intuitive use



### The right Field of View (Fov) for every case

Examine a precise area with a FoV of  $\varnothing$  5 cm x 5.5 cm or evaluate the complete dentition including temporomandibular joints with  $\varnothing$  17 cm x 13 cm.

The desired mode can be easily selected with a single click.

-  High Definition (HD)
-  Standard Definition (SD)
-  Low Dose (Low)



For local findings e.g. for endodontic issues or single implants.



Capturing the lower and upper jaw dentition, e.g. for planning multiple implants.



Shows the complete dentition, including wisdom teeth.

Schematic representation



Captures the complete dentition including both temporomandibular joints and the cranial base, defined by nasion and sella.

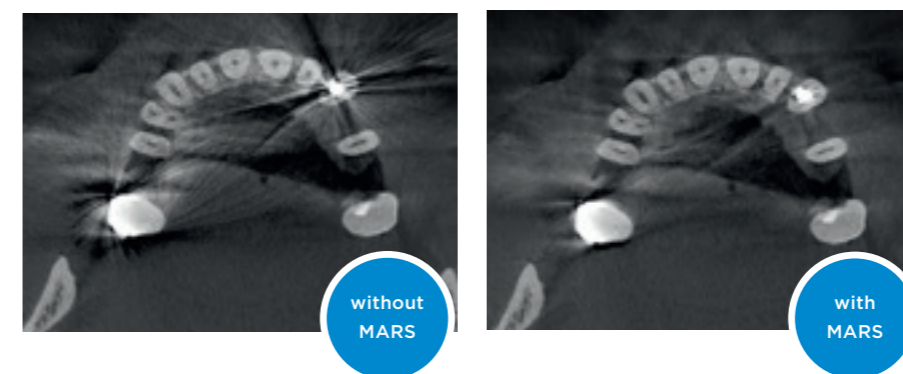
\* Axeos

### High Definition Mode (HD)

All Dentsply Sirona 3D X-ray systems offer you the High Definition Mode (HD). Up to 1,400 individual images are capturing during a single rotation and converted into a 3D volume with up to 80  $\mu$ m. The advantage for you: low-noise images in high resolution.

### MARS – Metal Artifact Reduction Software

Metal artifacts are often a challenge in 3D X-ray imaging. MARS automatically reduces metal artifacts, and can therefore help to facilitate with a quality diagnosis. At Dentsply Sirona, MARS is a standard integration in all 3D solutions.



# 3D Image - 2D dose

## Intelligent Low Dose

Thanks to the optimized 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 implantology - with Dentsply Sirona solutions you will find the optimum setting for every case.



Localization of displaced incisor, Ø 5cm x 5.5cm at 3 µSv

### Indication based

3D Low Dose is suitable for a variety of clinical situations.

- Tooth position evaluation in 3D**  
at a low dose, especially for young, radiation-sensitive patients.
- Implant control in 3D**  
in the dose range of a 2D X-ray.
- Sleep apnea analysis**  
with SICAT Air. Even with 3D Low Dose images, the upper airways are automatically segmented.

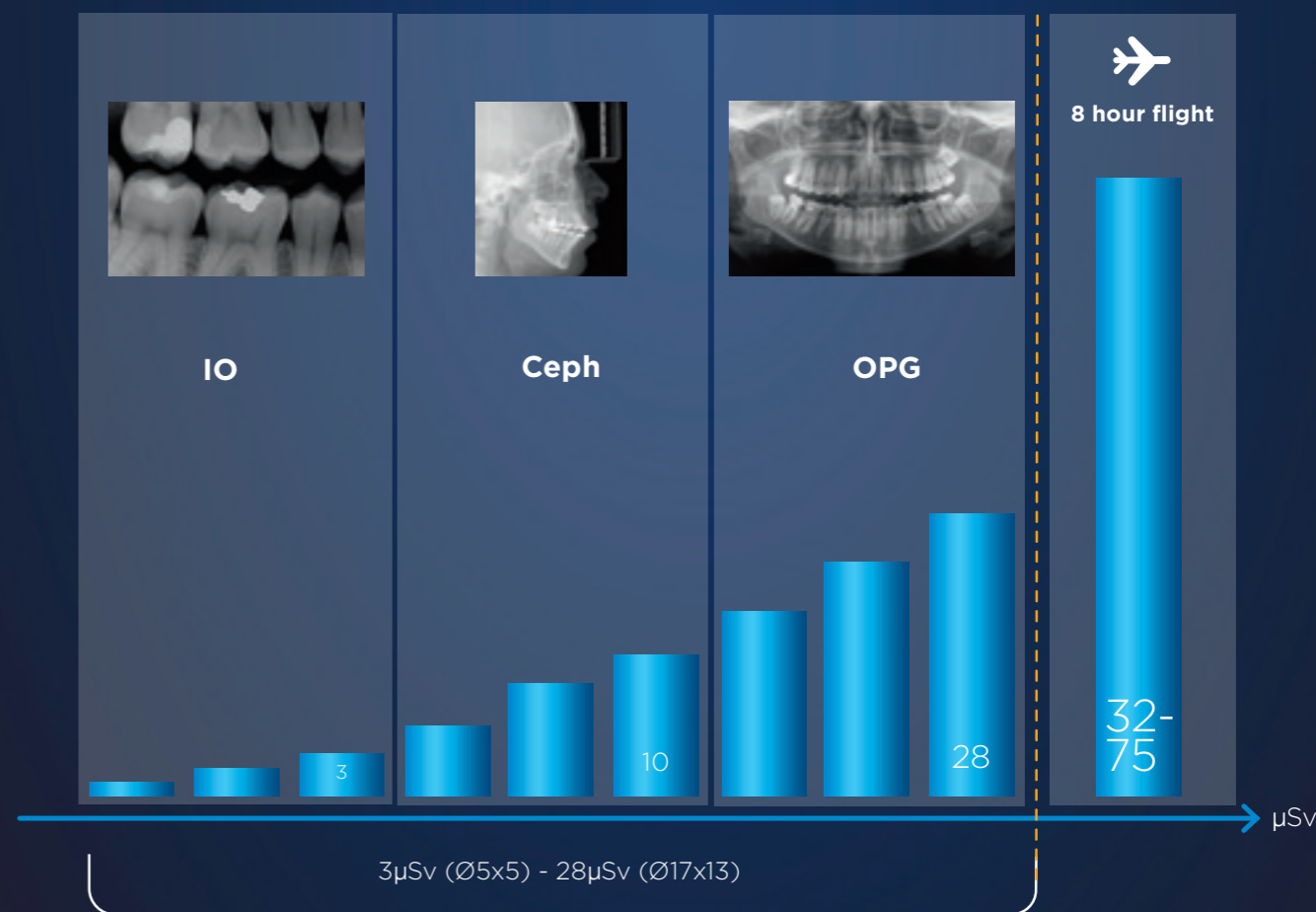
### Dedicated filter

In contrast to conventional low dose approaches, Dentsply Sirona Intelligent Low Dose not only lowers the mA but also applies a dedicated copper filter. This enables good visibility of dense structures (e.g. bone) despite the low dose.

### Intuitive

With Dentsply Sirona Imaging Solutions you can be sure to obtain 3D information in the dose range of a 2D X-ray with just a single click.

### Intelligent Low Dose offers CBCT in the dose range of a 2D image



Dosimetry of Orthophos SL CBCT Unit with Low-Dose Protocol  
November 23, 2014. John B. Ludlow, DDS, MS, FDS RCSEd Professor of Oral and Maxillofacial Radiology, North Carolina Oral Health Institute

J. Waschkewitz and C. Buss et al., University Medical Center Hamburg-Eppendorf, measurement method according to Ludlow

<https://www.bfs.de/DE/themen/ion/umwelt/luft-boden/flug/flug.html>

# For the best 2D results

## Digital panoramic imaging

Digital imaging in 2D offers unbeatable benefits for every dental practice. DCS, Autofocus and other highlights for reliable high-quality images.

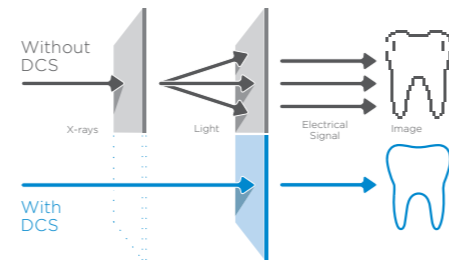
This makes the difference:

- ▶ Excellent image quality
- ▶ Easy diagnostics
- ▶ Intuitive use

### DCS – Direct Conversion Sensor

The Direct Conversion Sensor (DCS) has revolutionized the standard of panoramic imaging. X-rays are converted directly into electrical signals. Thus, there is no signal loss due to light conversion, as is the case with conventional systems.

The result: images with a high level of sharpness and contrast – even at an extremely low radiation dose. For accurate diagnostic information to support targeted treatment.



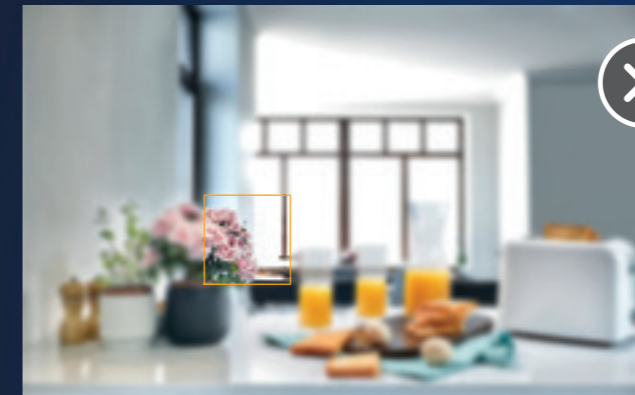
### Autofocus

The right focus is crucial for excellent panoramic radiographs. With the autofocus function you will automatically receive an image with the best possible sharpness in focus. Axiom, Orthophos SL and Orthophos S take several thousand individual images in one cycle and automatically identify the areas where the jaw is optimally positioned. Without any additional manual steps, these images are then displayed in a final sharp image.

With the autofocus function, any adjustment of a patient's head during the patient positioning is no longer necessary. The best panoramic image is automatically displayed in the software and it is not necessary to manually select the sharpest images. This saves you and your practice team a lot of time every day.



Schematic representation



Without autofocus: Only some parts of the image are in focus, other areas are blurred.



With autofocus: The system detects the relevant areas from several thousand individual images in one cycle and automatically identifies the areas where the jaw is optimally positioned.



The result: sharp images.

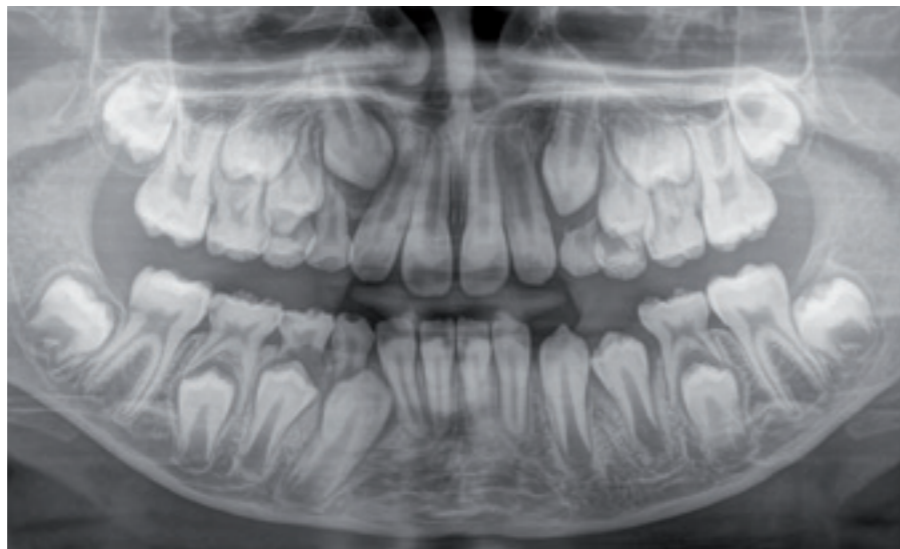
# When less is more

## A multitude of possibilities for 2D dose reduction

At Dentsply Sirona, we have made it our mission to offer products that provide X-ray images of the highest image quality. When developing our imaging solutions we take into account the ALARA (As Low As Reasonably Achievable) principle, which applies worldwide. Therefore, our devices have been equipped with numerous functions that allow you to reduce dose on a patient-to-patient basis.

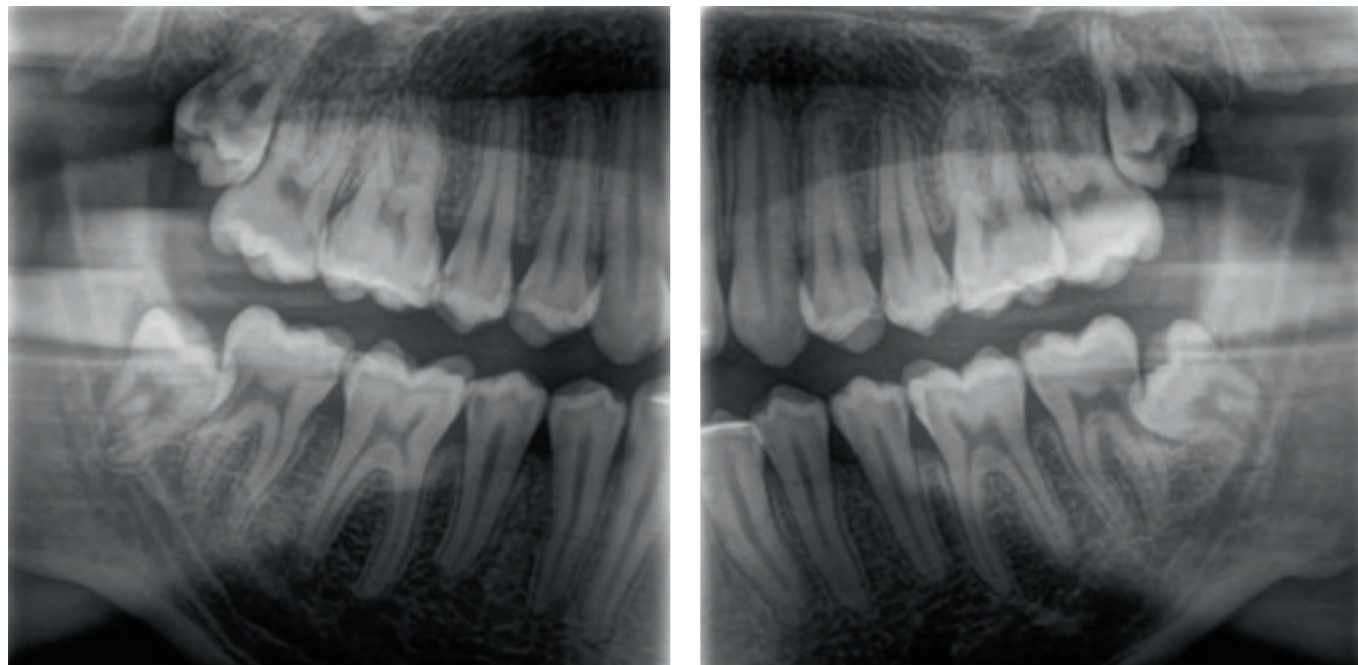
### Quickshot

Quickshot reduces the exposure time and thus, the dose. This makes it a valuable feature for all practices, especially those working with a large number of pediatric patients.



### Extraoral Bitewing

This allows for extraoral images to be created of both the posterior and anterior regions at a lower dose. The program also supports working with patients who have a gag reflex, which often makes capturing intraoral radiographs difficult.



**Pediatric**  
 The program is adapted specifically to the anatomy of young patients. For dose reduction, it is reduced both horizontally and vertically, while still providing a high degree of sharpness.

## Smart Connectivity

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At Dentsply Sirona, we don't just design individual units, we create solutions for your entire workflow. Because when your hardware and software come together in effortless cohesion, you can concentrate on what's most important: your patient. And with an optimized workflow you not only save valuable time but you also know that you are providing your patient with the best care possible due to the broad treatment range you can now offer them.



# Always in sync with your practice

## Sidexis 4 imaging software

Imaging processing software provides everything to detect, diagnose and discuss treatment planning.

This makes the difference:

- ▶ **Seamless workflow**
- ▶ **Broad array of treatment opportunities**
- ▶ **Expansion options for individual customization**

Whether 2D or 3D – brilliant images are only truly at their best when managed in the right software. The modern and highly intuitive imaging software, Sidexis 4, supports an accurate and precise diagnosis. With its award-winning user interface, it promotes an intuitive and clear navigation, saving you valuable time. The clear platform also creates a basis for optimal patient communication, increasing comfort and understanding – a strong foundation for trust.



▶ **Modern, intuitive design**

Sidexis 4 offers a complete modern and clean look. Beyond the impressive esthetics, the new software also boasts an intuitive operating approach and clear design. The Timeline function offers you an easy-to-navigate patient diagnosis and treatment history.

▶ **Compare**

Sidexis 4 compares two CBCT images or up to four 2D images simultaneously. For example, you can navigate through both volumes at the same time, obtain cross-comparisons at a glance and provide clear patient communication and case presentation.

▶ **Seamless 2D/3D**

With Sidexis 4, you can view 2D and 3D data simultaneously and side by side without switching between programs. This saves you valuable time and cross-comparisons provide you with increased confidence in your final diagnosis and treatment plan.



### Mobile image visualization with the Sidexis iX iPad app

The Sidexis iX iPad App allows true mobility in the dental practice, with the ability to call up X-ray and patient data directly on the iPad. This provides the patient the opportunity to hold their X-rays directly in their hands and fill out the anamnesis form themselves in an easy digital format. Whether it's changing treatment rooms or communicating your diagnosis directly on the iPad – with Sidexis iX you can take X-ray images anywhere and make the iPad a convenient consulting tool.



▶ **3D imaging to go**

you can use all the mobile and flexible advantages of the iPad.

▶ **Implant visualization**

clear and effective advisory tool for implantology treatment proposals

▶ **Sidexis 4 database access**

for full use of the Sidexis 4 patient database with the possibility to download for offline access

# Highly specialized – for every type of expert

Treatment for orthodontics



## Orthodontics

Versatility, dedicated low dose programs and high image quality are just a few of the characteristics that make each member of the Orthophos family and Axeos the perfect partner for your practice. In Orthodontics, they offer safe and efficient treatment using the ALARA principle – and support you in reaching an accurate diagnosis efficiently and with optimal clinical support. Clear case presentation helps improve overall patient communication and treatment acceptance.

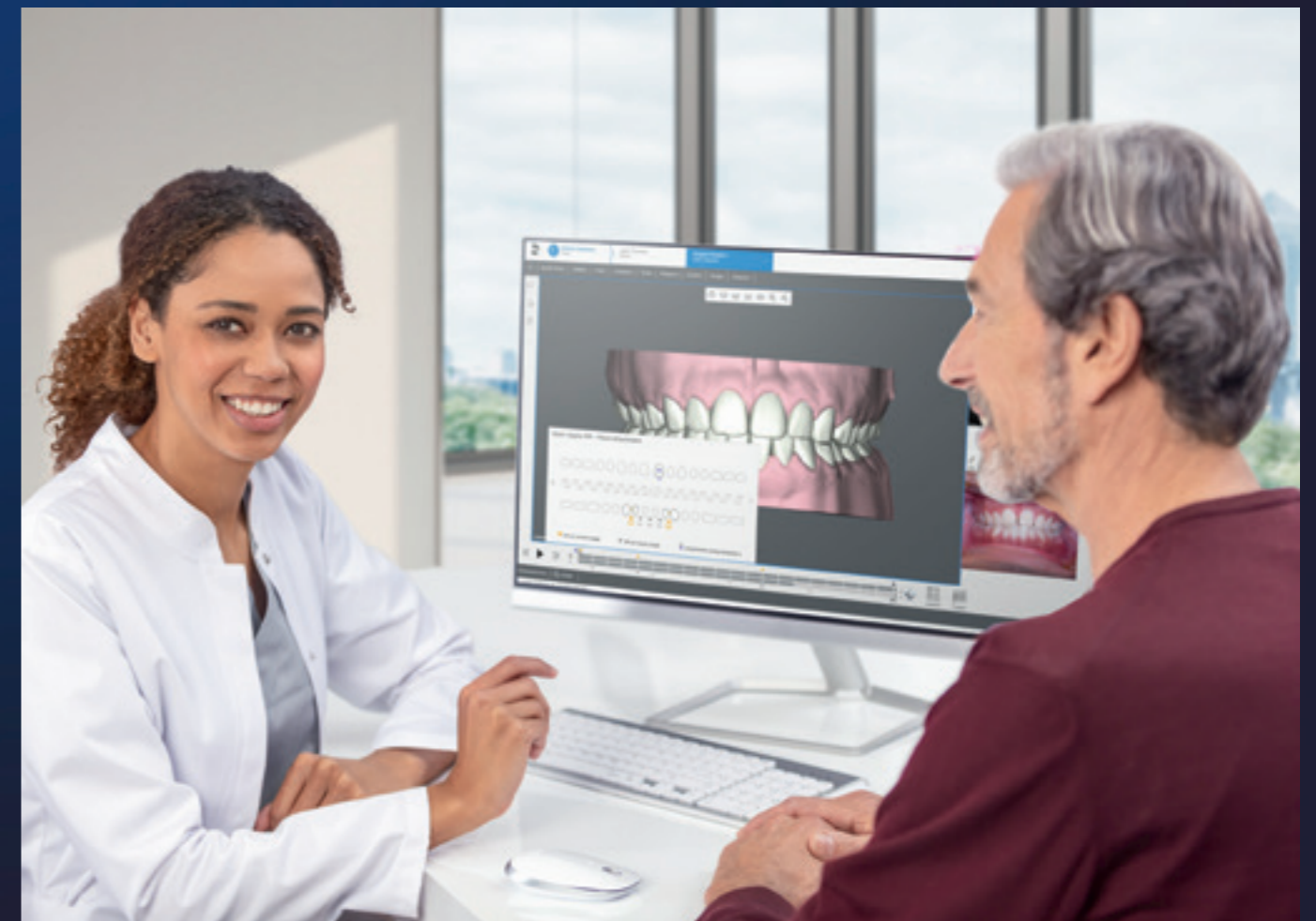


Axeos and Orthophos offering images perfectly suited for orthodontic treatment planning.

## SureSmile® Aligner Your Clear Aligner Solution by Dentsply Sirona

At Dentsply Sirona we don't just design individual units, but seamless solutions to support the entire workflow. With SureSmile, you have a clear aligner solution available that allows you to reliably satisfy your patients' desire for a beautiful smile. Getting started is easy and with more than 20 years of experience in digital planning of orthodontic treatments, we can provide you the security of excellent initial setups and predictable, compelling

results. In conjunction with an optical scan, images captured with Orthophos S, Orthophos SL and Axeos can be used to plan your treatment with SureSmile, providing the ultimate treatment option.



# Highly specialized – for every type of expert

## Treatment for implantology, sleep apnea and endodontics

### Implantology made easy

It is important that your implant is placed in an ideal position to ensure a successful prosthetic outcome. This will help to shorten implant procedures and avoid surgical errors. Supported by CAD/CAM scan data and CBCT images from your Axelos or Orthophos 3D, in addition to the SICAT Implant 2.0 implant planning

software, you can design and produce surgical guides completely in-house, or outsourced to your local lab or centralized SICAT lab.



**1 Scan:** Digital intraoral impression for prosthetics - 3D X-ray images for surgical planning.



**2 Plan:** Prosthetically driven implant planning for either in-house or external production of the appropriate surgical guide.



**3 Place:** Minimally invasive implant placement using a surgical guide, facilitating a safe and uncomplicated procedure.



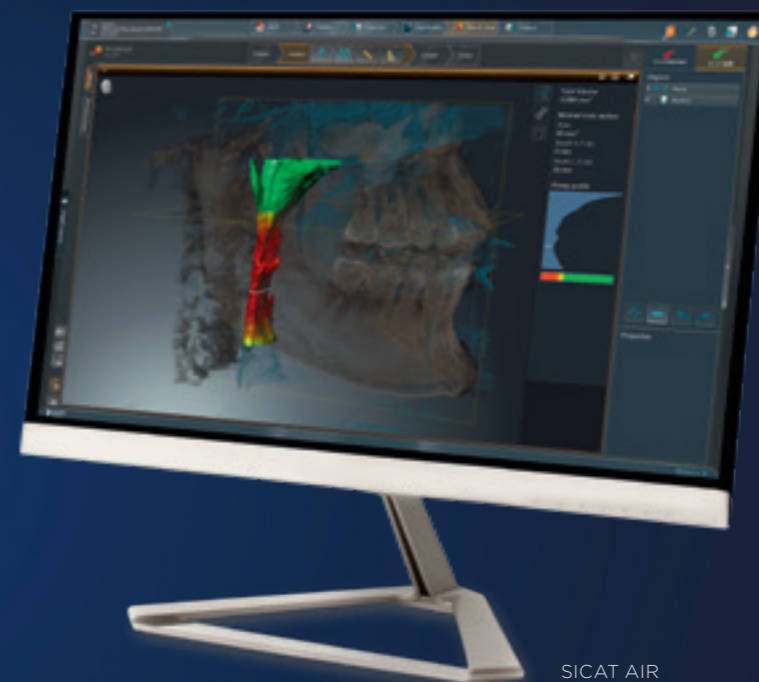
**4 Restore:** Planning, production and insertion of the abutment and crown, and capturing and assessing the control images.

## Your extended practice services with sleep apnea treatment

SICAT Air is the first all-digital 3D software solution for upper airway analysis and splint therapy of obstructive sleep apnea. Offer upper airway analysis, treatment planning and the possibility of an OPTISLEEP protrusion guide all in a single session.

**Visualization of constrictions**, a benefit of automatic segmentation of the upper airway in SICAT Air.

**Ordering the patient-specific OPTISLEEP protrusion guide** with the help of the CEREC intraoral impression data in a purely digital workflow.



### 3D Endodontics

Does your practice offer endodontic treatments? This can often come with many challenges. Emergency patients, elusive canals and unpredictable curvatures are just a few challenges you might be faced with. 3D imaging visualizes hidden structures, reveals clinical issues and makes it possible to identify the most efficient treatment approach.

#### Optimum planning

SICAT Endo is a CBCT-based software providing you the ability to create a clear map detailing the route you will take into the canal. This will allow you to foresee any difficult anatomical structures that exist through realistic and detailed information.



For calcified channels, the easy-to-order ACCESSGUIDE (1st generation) supports the implementation of digital planning.

# Always well-connected

## Smart connectivity for a smart practice

Sidexis 4 is characterized by numerous well-thought-out interfaces and connectivity of devices and software products. With our software, you can make full use of the digital potential of your practice while simplifying and accelerating virtual communication channels. In this way, you become the architect of your own practice environment.

This makes the difference:

- ▶ Seamless workflow
- ▶ Holistic process
- ▶ Individually tailored



## Exceptional Experience

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This is why when designing our Dentsply Sirona Imaging Solutions we prioritize making our devices not only esthetically and functionally successful, but also equipped to provide you with optimum clinical and diagnostic support. We want to ensure that you have equipment that you can trust and also enjoy working with.



# Simplicity meets efficiency

## Operating and positioning aids

Correct patient positioning leads to high image quality to support an accurate diagnosis and facilitates an improved patient experience

This makes the difference:

- ▶ Easy positioning
- ▶ Intuitive use
- ▶ Short image capture time



More stability for higher image quality.



Optimized communication



Barrier-free positioning

## Patient Positioning & Image Assistant

We developed a 10-point concept for easy patient positioning and X-ray imaging. Our concept is primarily about two things: high image quality and comfort for the patient and the assistant.

- ▶ The EasyPad allows you to pivot and tilt the touch display and also provides intuitive program selection
- ▶ Motorized, adjustable headrest with automatic stop at the patient's head and automatic opening at the end of image capture
- ▶ Unique autopositioner automatically determines the correct head tilt.
- ▶ Light lines for easy visibility of the volume
- ▶ The X-ray area can be easily adapted using the universal bite block, which allows for modification on an individual patient-to-patient basis
- ▶ The smart height adjustment allows the preparation of the X-ray unit before the patient arrives\*
- ▶ Integrated swivel mirror supports proper patient positioning
- ▶ Automatic spine compensation for better panoramic image quality in the anterior region
- ▶ Based on the automatic temple width measurement, the device rotation adjusts to each individual patient
- ▶ Ergonomic handles to support stable patient positioning



Patented occlusal bite block for reproducible image quality.

Intuitive EasyPad.

\* available with Axeos.

# Progressive, puristic and safe

## Designed to inspire

A clever product design combines the processes of daily work with the requirements of the patient, including highest hygiene and safety standards.

This makes the difference:

- ▶ **Unique design with ambient light**
- ▶ **High infection prevention standards**
- ▶ **Intuitive and efficient operation**

Premium materials and production processes have elevated the level of disinfection possible due to the durability and chemicals that can be used to clean the unit without causing erosion:

- ▶ Smooth, easy-to-wipe surfaces
- ▶ Removable, autoclavable components allow for easy and efficient cleaning processes and enhanced hygiene practices
- ▶ Single-use bite tabs help to eliminate cross-contamination risks due to their one-time use
- ▶ What's more, automated and remote functions facilitate limited direct patient contact



Orthophos SL/S: 3D ready, patented occlusal bite block, EasyPad, jewelry tray, ergonomic handles.



Ambient Light with a selection of 35 colors.

Dentsply Sirona develops solutions that harmoniously combine functionality and esthetics. Focusing on the essentials, the devices are both puristic and clean in their design.



Axeos and Orthophos integrate easily into any room concept and are accessible without barriers. Each model fits into the other's footprint and is individually configurable. And because we want to ensure that the patient is as comfortable as possible, we have developed Orthophos SL and Axeos with focus not only on the ergonomic and clinical elements, but with additional esthetic elements to help increase patient relaxation while in the unit - which is why we have added an integrated light concept, creating a more tranquil device atmosphere.



Integrated cabinet on the right and left side of Axeos.



The Orthophos SL received the Red Dot Award for the best product design in 2015

The Axeos received the Red Dot Award for the best product design in 2020

## Which Dentsply Sirona Imaging Solution is right for you?

Everyone is different. Every patient, every practice, every team. Which is why we adapt our products to fit to your needs and not the other way around. For a truly individual experience.





# Axeos

## The practice builder solution

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 device is fully optimized for enhanced patient comfort. Axeos not only provides quality in performance and comfort, but also with its award winning design, thanks to the integrated bite block accessory cabinet and ambient light.



### Clinical Confidence

#### Field of View Ø 5x5.5 to Ø 17x13

Numerous volume sizes ensure flexibility in everyday practice. Examine a precise area or evaluate the complete dentition including TMJs.

#### 3D low dose and HD function

3D images in the dose range of 2D X-rays and HD images up to 80 µm resolution.

#### Unique 2D DCS sensor with autofocus function and cephalometric programs

For great panoramic images with high sharpness and an optional right or left cephalometric arm, which can be retrofitted at any time.

### Smart Connectivity

#### Sidexis 4

Intuitive imaging software for easy reporting and integrated workflows for orthodontics, implantology, sleep apnea and endodontics.

#### Integration into large clinic and DSO networks

Through connectivity to PACS, RIS, DICOM Worklist and DICOM Printers. X-ray images according to the DICOM standard.

#### Open interfaces

Sidexis 4 is compatible with over 200 practice management software packages. The possibility to import DICOM, STL and CEREC data or export DICOM data allows for high flexibility.

### Exceptional Experience

#### Autopositioning with the auto-positioner and EasyPad

For optimally positioned images and easy reproducibility.

#### Integrated cabinet with Ambient Light

For bite block accessories, illuminated from the inside and within reach of the operator. The Ambient Light with 35 color options creates a pleasant atmosphere for the patient.

#### Smart height adjustment

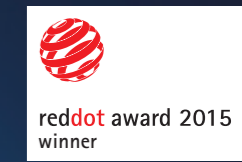
Allows the height of the unit to be adjusted to the individual patient even before the patient enters the X-ray room, facilitating a more efficient workflow and reduced waiting times.



# Orthophos SL

## The power performer solution

The 2D/3D high-end system with excellent image quality for practices with a flair for technology and those who simply want more. The integrated Direct Conversion Sensor (DCS) defines the standard for panoramic imaging and delivers a high level of sharpness. This "Sharp Layer" technology ensures autofocused panoramic images even in anatomically difficult cases. Orthophos SL offers optimum user comfort through auto-positioning, intuitive operation via the EasyPad and an individually adjustable Ambient Light for an exclusive look & feel.



### Clinical Confidence

#### 3D low dose and HD function

3D images in the dose range of 2D X-rays and HD images up to 80 µm resolution.

#### Fields of View ø 5x5.5 to ø 11x10

Numerous volume sizes ensure flexibility in everyday practice. Examine a precise area or evaluate the complete dentition including wisdom teeth.

#### Unique 2D DCS sensor with autofocus function and cephalometric programs

For great panoramic images with high sharpness and an optional right or left cephalometric arm, which can be retrofitted at any time.

### Smart Connectivity

#### Sidexis 4

Intuitive imaging software for easy reporting and integrated workflows for orthodontics, implantology, sleep apnea and endodontics.

#### Integration into large clinic and DSO networks

Through connectivity to PACS, RIS, DICOM Worklist and DICOM Printers. X-ray images according to the DICOM standard.

#### Open interfaces

Sidexis 4 is compatible with over 200 practice management software packages. The possibility to import DICOM, STL and CEREC data or export DICOM data allows for high flexibility.

### Exceptional Experience

#### Autopositioning with the occlusal bite block and EasyPad

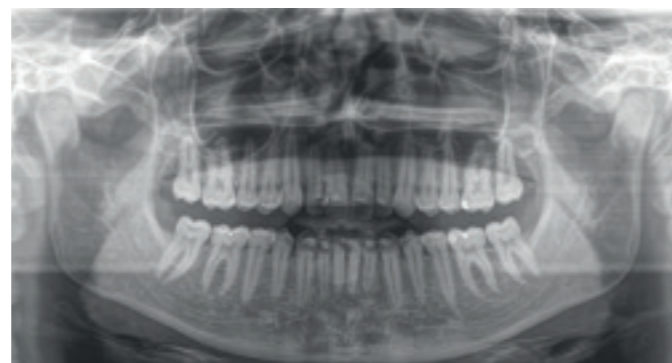
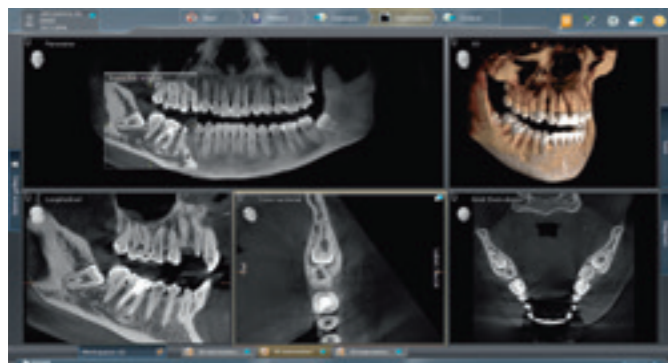
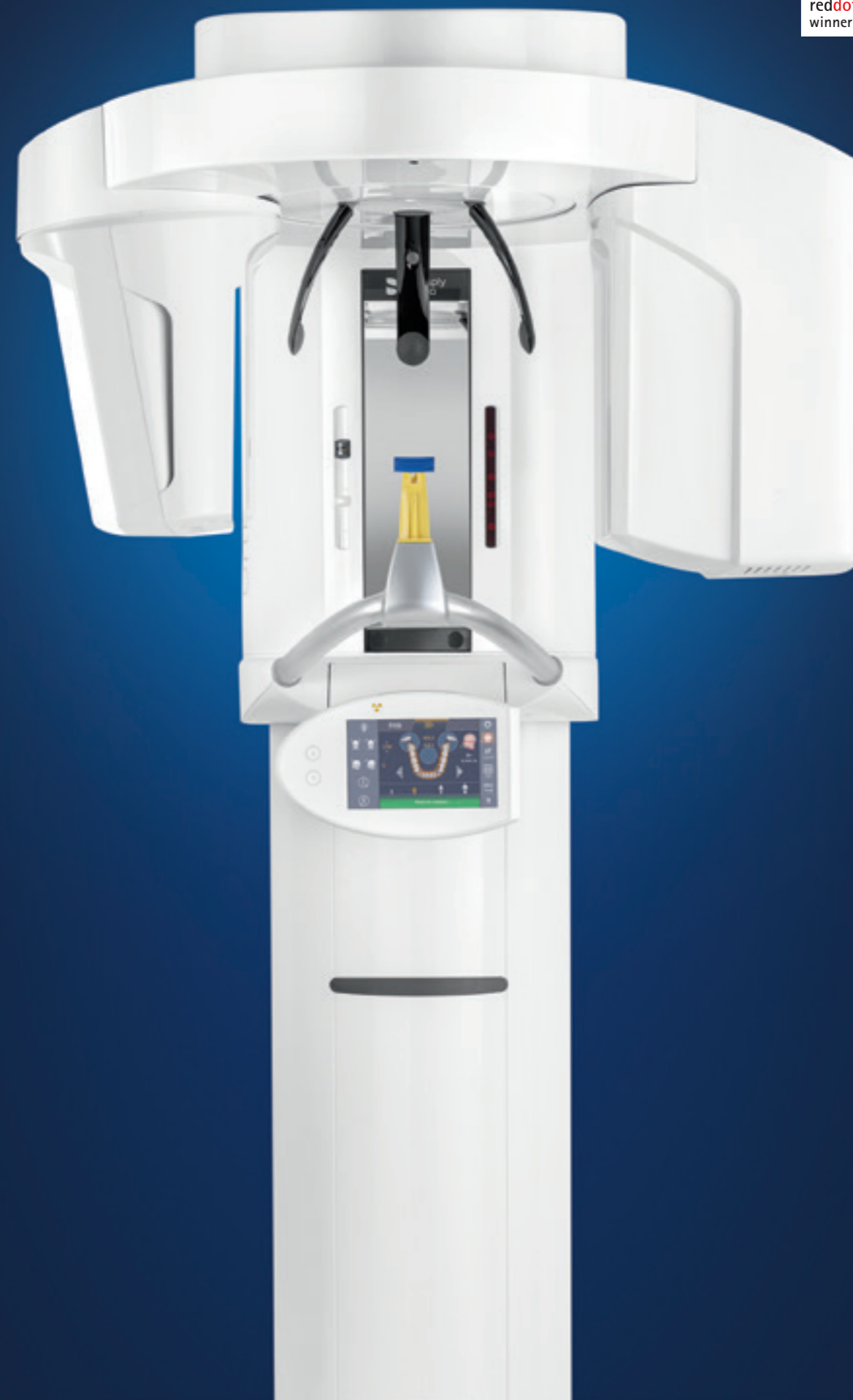
For optimally positioned images and easy reproducibility.

#### Ambient Light

with 35 color options, creates a pleasant atmosphere for the patient.

#### Safe and proven patient positioning

With the motorized temple and forehead supports, automatic temple width measurement, light localizers and stable handles.



# Orthophos S

## The all-round solution

The high-quality 2D/3D X-ray system with a comprehensive performance spectrum for every practice. Whether used solely as a pure 2D device or with the integration of a 3D module – the Orthophos S is a reliable partner and optimized for daily tasks in the practice. Its Csi Plus sensor with autofocus function ensures sharp images even in anatomically difficult cases. The patented occlusal bite block supports easy and reproducible patient positioning. For use in orthodontics, the Orthophos S is optionally available with a cephalometric arm.

### Clinical Confidence

#### 3D low dose and HD function

3D images in the dose range of 2D X-rays and HD images up to 80 µm resolution.

#### Fields of View ø 5x5.5 to ø 11x10

Numerous volume sizes ensure flexibility in everyday practice. Examine a precise area or evaluate the complete dentition including wisdom teeth.

#### 2D Csi Plus sensor with Autofocus function

For sharp, autofocused images even in anatomically difficult cases.

### Smart Connectivity

#### Sidexis 4

Intuitive imaging software for easy reporting and integrated workflows for orthodontics, implantology, sleep apnea and endodontics.

#### Integration into large clinic and DSO networks

Through connectivity to PACS, RIS, DICOM Worklist and DICOM Printers. X-ray images according to the DICOM standard.

#### Open interfaces

Sidexis 4 is compatible with over 200 practice management software packages. The possibility to import DICOM, STL and CEREC data or export DICOM data allows for high flexibility.

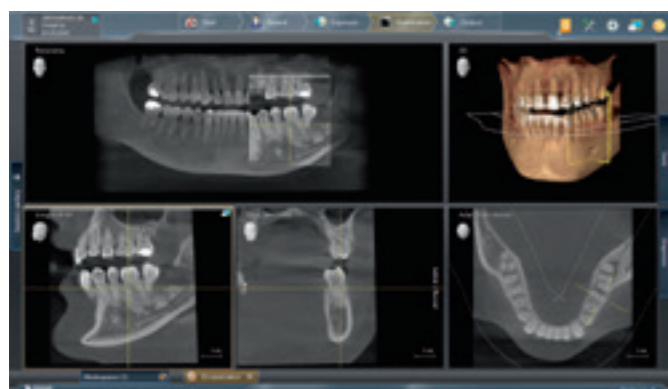
### Exceptional Experience

#### Patented occlusal bite block for automatic positioning

Maximum consistency and reproducibility with automatic patient positioning.

#### Safe and proven patient positioning

With the motorized temple and forehead supports, automatic temple width measurement, light localizers and stable handles.



# Orthophos E

## The 2D digital entry solution

Orthophos E - the solid 2D X-ray system for digital beginners or practices needing standard 2D imaging support. This entry-level device allows a smooth transition into the world of digital imaging. Reliable diagnostics are ensured due to the CsI sensor technology and quality is achieved through easy operation and a cephalometric option for additional support in orthodontics.

### Clinical Confidence

#### 2D CsI Sensor

For reliable diagnostics thanks to dependable image quality.

#### Important 2D programs

such as standard panoramic program, child and bitewing programs.

#### Left cephalometric arm

For ceph X-rays, optionally available or can be retrofitted at any time.

### Smart Connectivity

#### Sidexis 4

Intuitive imaging software for easy reporting and integrated workflows for treatment planning.

#### Open interfaces

Sidexis 4 is compatible with over 200 practice management software packages. The possibility to import DICOM, STL and CEREC data or export DICOM data allows for high flexibility.

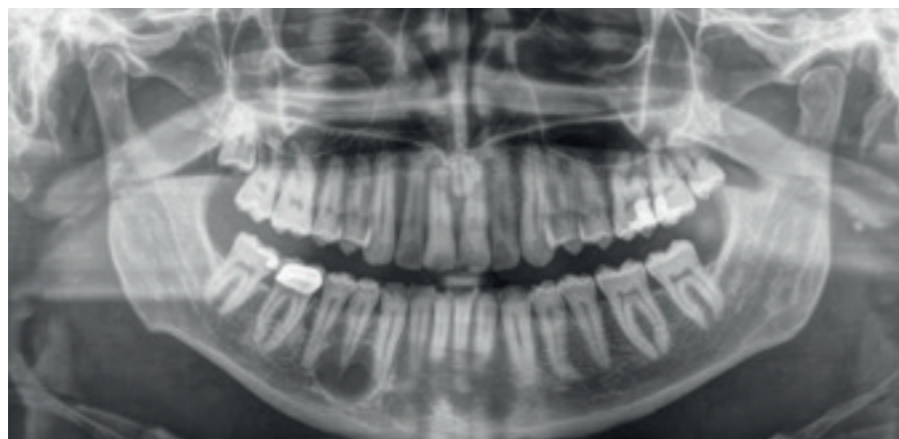
### Exceptional Experience

#### Safe and proven patient positioning

with the motorized forehead and temple supports and automatic temple width measurement.

#### MultiPad control panel

For simple and clear operation.



# Orthophos & Axeos: Technical properties overview

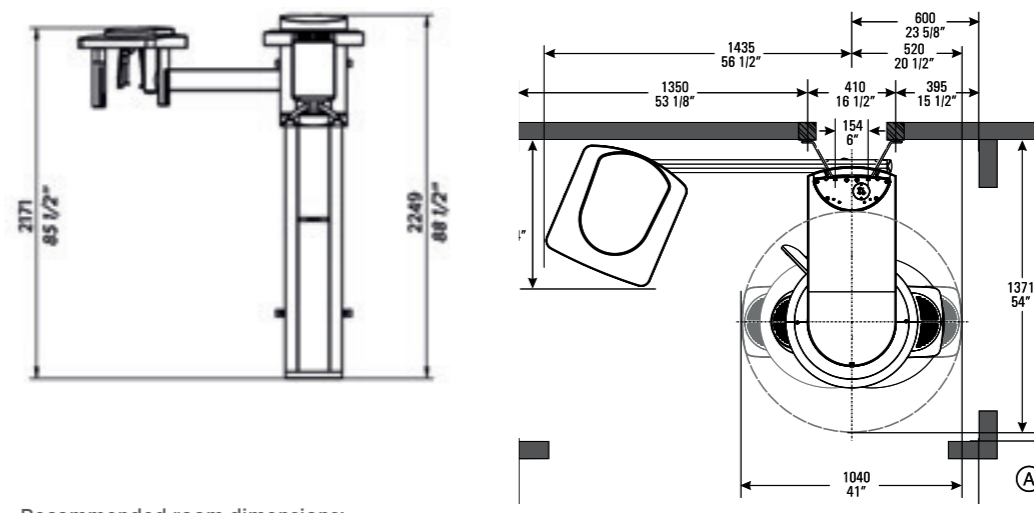
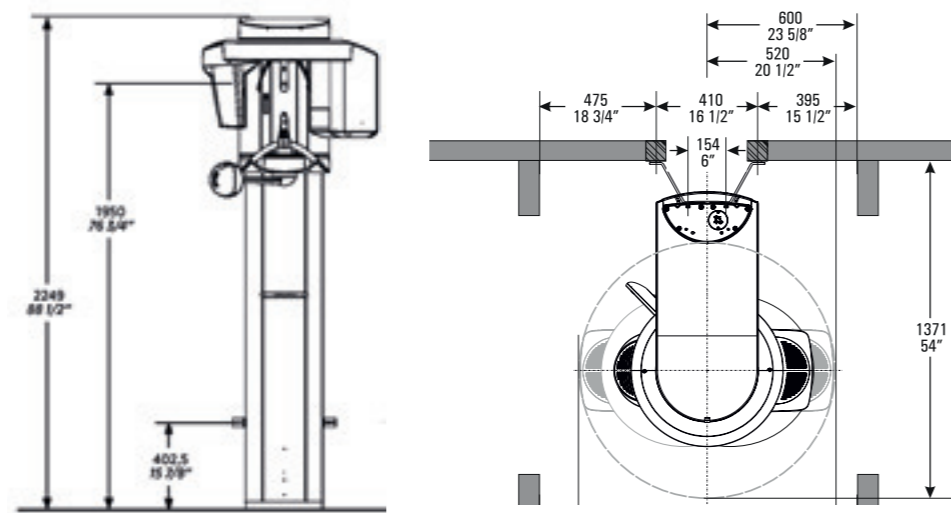
Performance features	Axeos	Orthophos SL 3D	Orthophos S 3D	Orthophos SL 2D	Orthophos S 2D	Orthophos E 2D
X-ray generator	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA
Panoramic exposure time	P1: max. 14.2 s P1 Quickshot: max. 9.1 s	P1: max. 14.2 s P1 Quickshot: max. 9.1 s	P1: max. 14.2 s P1 Quickshot: max. 9.1 s	P1: max. 14.2s P1 Quickshot: max. 9.1 s	P1: max. 14.2 s P1 Quickshot: max. 9.1 s	P1 14.2 s max.
Ceph exposure time	Standard 9.4 s Quickshot 4.7 s	Standard 9.4 s Quickshot 4.7 s	Standard 9.4 s Quickshot 4.7 s	Standard 9.4 s Quickshot 4.7 s	Standard 9.4 s Quickshot 4.7 s	Standard 9.4 s
User interface	New EasyPad	EasyPad	EasyPad	EasyPad	EasyPad	MultiPad
Patient positioning	automatic (occlusal bite block)	automatic (occlusal bite block)	automatic (occlusal bite block)	automatic (occlusal bite block)	automatic (occlusal bite block)	manual
Smart height adjustment	yes	-	-	-	-	-
Panorama technology	DCS	DCS	Csl Plus	DCS	Csl Plus	Csl
Autofocus	yes	yes	yes	yes	yes	-
Ceph arm (optional)	left or right	left or right	left or right	left or right	left or right	left
Ceph unit with 2 sensors	yes	yes	yes	yes	yes	optional
Quickshot	yes	yes	yes	yes	yes	-
Image volume (dxh)	5 x 5.5 to 17 x 13	5 x 5.5 to 8 x 8 5 x 5.5 to 11 x 10	5 x 5.5 to 8 x 8 5 x 5.5 to 11 x 10	upgradeable	upgradeable	-
3D Low Dose	yes	yes	yes	upgradeable	upgradeable	-
HD mode	yes	yes	yes	upgradeable	upgradeable	-
Base	optional	optional	optional	optional	optional	optional
Wheelchair accessible	yes	yes	yes	yes	yes	yes
Remote operation	optional	optional	optional	optional	optional	optional
Ambient Light	yes (cabinet and backlight)	yes (backlight)	-	yes (backlight)	-	-



Base (optional).



Remote operation with display of the exposure parameters (optional).



**Recommended room dimensions:**

- Orthophos/Axeos: space required 1,280 mm x 1,411 mm
- Orthophos/Axeos with ceph side arm: space required 2,155 mm x 1,411 mm

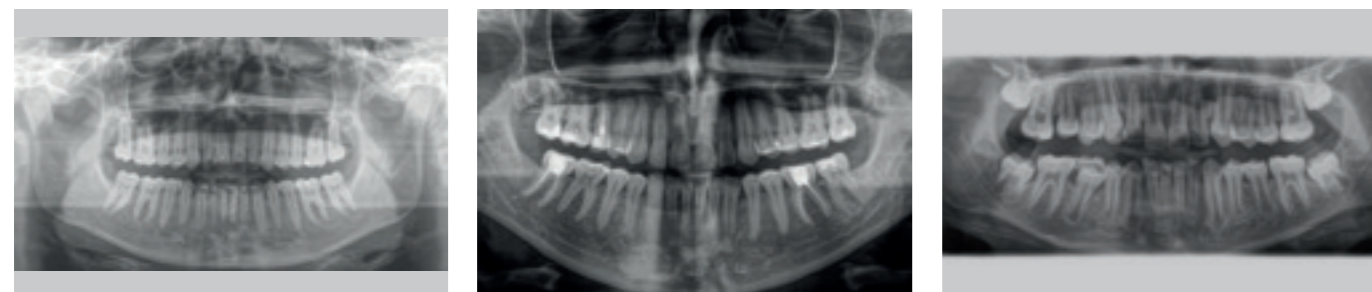
**Minimum room dimensions:**

- Orthophos/Axeos: space required 1,040 mm x 1,371 mm
- Orthophos/Axeos with ceph side arm: space required 1,955 mm x 1,371 mm

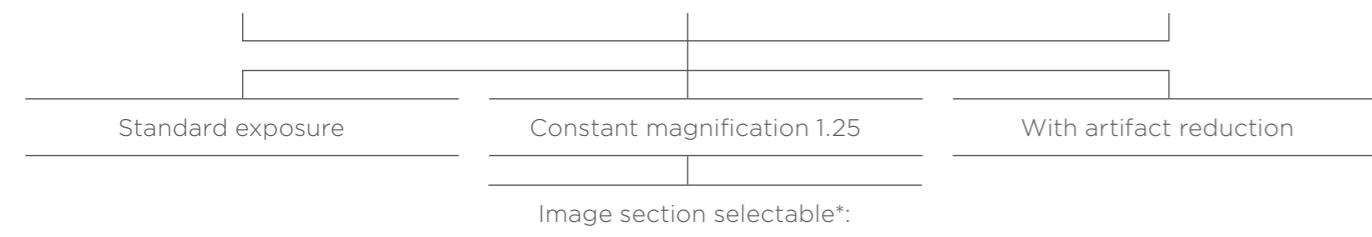
You can find all further measurements in the respective installation requirements.

# The image spectrum of Axeos and the Orthophos Family

## Panoramic image



P1 full size orthogonal panoramic view    P2 without ascending rami\*    P10 pediatric panoramic, beam field reduced in height and length



left, right, upper jaw\*, lower jaw\*, Individual quadrants\*

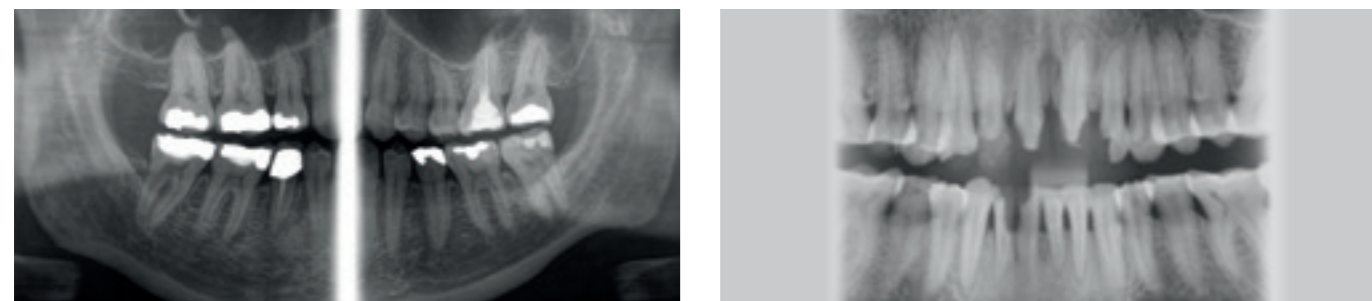


P12 thick slice in anterior tooth region



Upper jaw, lower jaw

## Bite wing



BW1

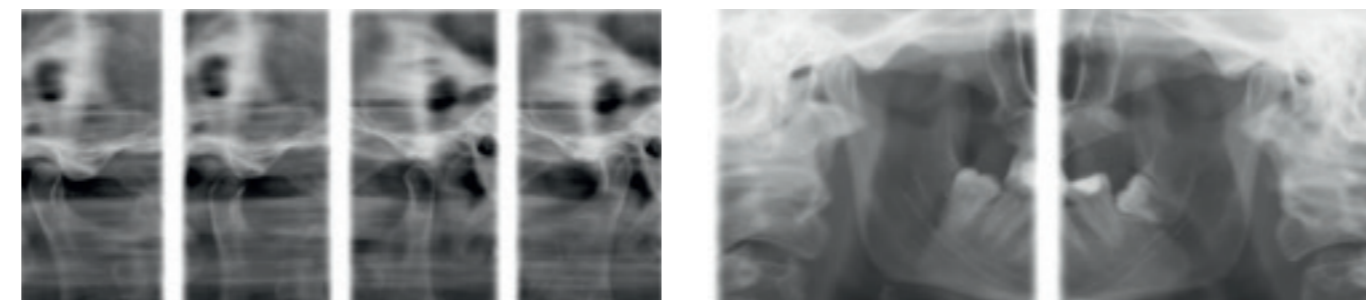
BW2 anterior tooth region\*



Right, left

\* Not included in Orthophos E

## TMJ



TM1 lateral

TM3\*



With open and closed occlusion, with a slice position\*

## Sinus



S1 jaw cavities

S3 simple jaw cavities linear\*

MS1 - only with in Orthophos E

## Multislice in posterior tooth region

Programs*	Orthophos E	Orthophos SL/S and Axeos
Standard panoramic image	P1, P10	P1, P2, P10
Image detail left side or right side	P1L, P1R	P1, P1A, P1C P2, P2A, P2C P10, P10A, P10C BW1
Image detail individual quadrants	-	P1, P1A, P1C P2, P2A, P2C P10, P10A, P10C
Image detail upper or lower jaw	-	P1, P1A, P1C P2, P2A, P2C P10, P10A, P10C, P12
Constant magnification	P1C	P1C, P2C, P10C
Artifact-reduced	P1A	P1A, P2A, P10A
Thick layer front	P12	P12
Sinus	S1	S1, S3
Multislice of premolars	MS1	-
Temporomandibular Joint	TM1.1, TM1.2	TM1.1, TM1.2, TM3
Bitewing image	BW1	BW1, BW2
Ceph (optional)	C1, C2, C3, C3F, C4	C1, C2, C3, C3F, C4

# 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 2008 R2 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	Orthophos E
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)	See requirements for Sidexis 4 2D workstation
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.

Further information at [www.sidexis.com/systemrequirements](http://www.sidexis.com/systemrequirements)  
System requirements for the hardware used may vary.

## 2D Units

Orthophos E	Orthophos S	Orthophos SL
*	* *	* * *
		
<p><b>Unit variants</b> Ceph left</p> <p><b>Patient positioning</b> Manual</p> <p><b>Panoramic technology</b> Csl sensor</p>	<p><b>Unit variants</b> Ceph left + right</p> <p><b>Upgrade</b> Ceph left + right 3D Module, FoV Ø 5 x 5.5-Ø 8 x 8 3D Module, FoV Ø 5 x 5.5-Ø 11 x 10</p> <p><b>Patient positioning</b> Automatic</p> <p><b>Panoramic technology</b> Csl Plus sensor and Autofocus</p>	<p><b>Unit variants</b> Ceph left + right</p> <p><b>Upgrade</b> Ceph left + right 3D Module, FoV Ø 5 x 5.5-Ø 8 x 8 3D Module, FoV Ø 5 x 5.5-Ø 11 x 10</p> <p><b>Patient positioning</b> Automatic</p> <p><b>Panoramic technology</b> DCS sensor and Autofocus</p>
+ Autofocus + Occlusal bite block +		+ DCS +

## 2D/3D Hybrid Units

Orthophos S	Orthophos SL	Axeos
* * * *	* * * * *	* * * * * *
		
<p><b>Unit variants</b> Ceph left + right FoV Ø 5 x 5.5-Ø 8 x 8 FoV Ø 5 x 5.5-Ø 11 x 10</p> <p><b>Upgrade</b> Ceph left + right 3D Module, FoV Ø 11 x 10</p> <p><b>Patient positioning</b> Automatic</p> <p><b>Panoramic technology</b> Csl Plus sensor and Autofocus</p>	<p><b>Unit variants</b> Ceph left + right FoV Ø 5 x 5.5-Ø 8 x 8 FoV Ø 5 x 5.5-Ø 11 x 10</p> <p><b>Upgrade</b> Ceph left + right 3D Module, FoV Ø 11 x 10</p> <p><b>Patient positioning</b> Automatic</p> <p><b>Panoramic technology</b> DCS sensor and Autofocus</p>	<p><b>Unit variants</b> Ceph left + right FoV Ø 5 x 5.5-Ø 17 x 13</p> <p><b>Upgrade</b> Ceph left + right</p> <p><b>Patient positioning</b> Automatic</p> <p><b>Panoramic technology</b> DCS sensor and Autofocus</p>
+ DCS + Ambient Light +		+ FoV + Integrated Cabinet +

### Clinical Procedures

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

### Platform Technologies

- CAD/CAM
- Imaging
- Treatment Centers
- Instruments

### Dentsply Sirona

Sirona Dental Systems GmbH  
 Fabrikstraße 31, 64625 Bensheim, Germany  
 dentsplysirona.com