THE DENTAL
SOLUTIONS
COMPANY™

Dentsply Sirona

Extraoral imaging

The Orthophos family

dentsplysirona.com/orthophos

The Orthophos family for extraoral imaging

As versatile as life in your practice, the Orthophos family ensures that you can work quickly, accurately and safely. Get to know our X-ray units. Each of the three models offers you the full expertise of Dentsply Sirona, the best image quality and programs to support your needs. From entry level digital radiography to the highest level of specialization, you're provided with optimal support in a variety of clinical tasks.

Orthophos SL: The high-end 2D/3D X-ray unit with the best image quality for practices who want more
Orthophos S: The high-performance 2D/3D X-ray unit with a comprehensive range of capabilities for every practice
Orthophos E: The solid entry-level 2D unit for price-conscious practices and digitizer

Here's what makes our family so unique:

Outstandig image quality
Thanks to innovative technologies the devices of the Orthophos familiy impress with sharp images all along

The Direct Conversion Sensor
Our unique DCS sensor with its autofocus function for images with outstanding sharpness

Our unique autofocus
The autofocus function for sharp, autofocused images even in anatomically difficult cases

The patented occlusal bite block
Maximum consistency and reproducibility in patient positioning

Our 3D offer
The right volume, upgradability and program for every indication (from Ø 5 cm x 5,5 cm to Ø 11 cm x 10 cm)

Fully flexible with Low Dose and HD
From 3D exposures in the dose range of a 2D X-ray, to high-definition images with a resolution of up to 80 µm

Orthodontics for all cases

Versatility, well thought-out programs and outstanding image quality are just a few of the characteristics that make each member of the Orthophos family a perfect partner in your practice. In the field of 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.

Dedicated programs
for young patients

The horizontally and vertically reduced children's panoramic program delivers high-definition images at the lowest dosage.

All models

Ceph arm

Carpus image, PA and AP, as well as lateral ceph with the additional possibility of upper and backhead collimator for additional dosage reduction.

SL 2D/3D
S 2D/3D

Quick shot function

It reduces the capture time and dosage. This facilitates, for example, working with children in panoramic and ceph images.

SL 2D/3D
S 2D/3D

3D endodontics

Does your practice offer endodontic treatments? This can offer many challenges. Emergency patients needing treatment, anatomically difficult canals , and a number of other unpredictable obstacles that you may be faced with. You also work closely with the referring dentists. 3D imaging visualizes hidden structures, reveals clinical issues and makes it possible to address each one individually.

SL 3D
S 3D

No more surprises

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, preparing you for any difficult anatomical structures that exist through realistic and detailed information.

Implantology made easy

A securely placed and prosthetically optimally aligned implant, thanks to perfectly coordinated software and hardware – that's Dentsply Sirona implant quality. With the help of the implant-planning software Galileos Implant, you have the option of combining prosthetic suggestions from the CEREC software with your Orthophos 3D image data and adjusting the implant planning accordingly. So you can enjoy absolute safety with an efficiently navigated workflow.

SL 3D
S 3D

Scan: Intraoral impression for prosthetics – 3D radiography for surgical planning

Plan: Implant planning and the in-house or external production of the appropriate surgical guide

Place: Minimally invasive implant placement using the surgical guide – safe and uncomplicated

Restore: Planning, fabrication and insertion of the abutment and crown as well as 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:

SL 3D
S 3D

Direct visualization of constrictions due to automatic segmentation of the upper airway in SICAT Air

Colored visualization of the upper airway facilitates patient education and as a result, increases the acceptance of therapy

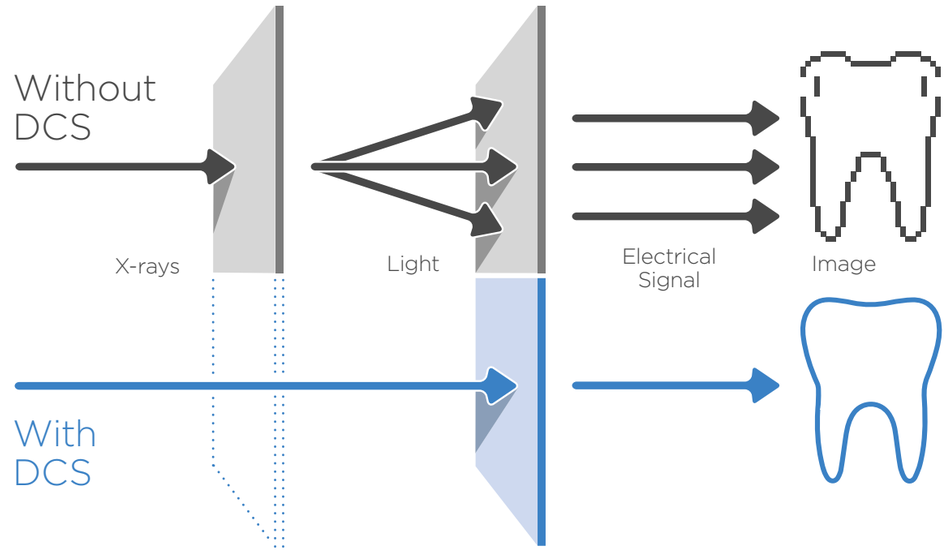
Ordering the patient-specific OPTISLEEP protrusion guide With the help of the CEREC surface scan data in a purely digital workflow

Your advantages at a glance:

- Outstanding image quality at the lowest dose
- Work more efficiently through optimal workflow
- Simplified findings through a variety of analysis tools
- By eliminating the need for a darkroom you free up valuable office space
- No toxic chemicals for developing images
- Better patient involvement
- Professional marketing of the practice services

Digital images in 2D

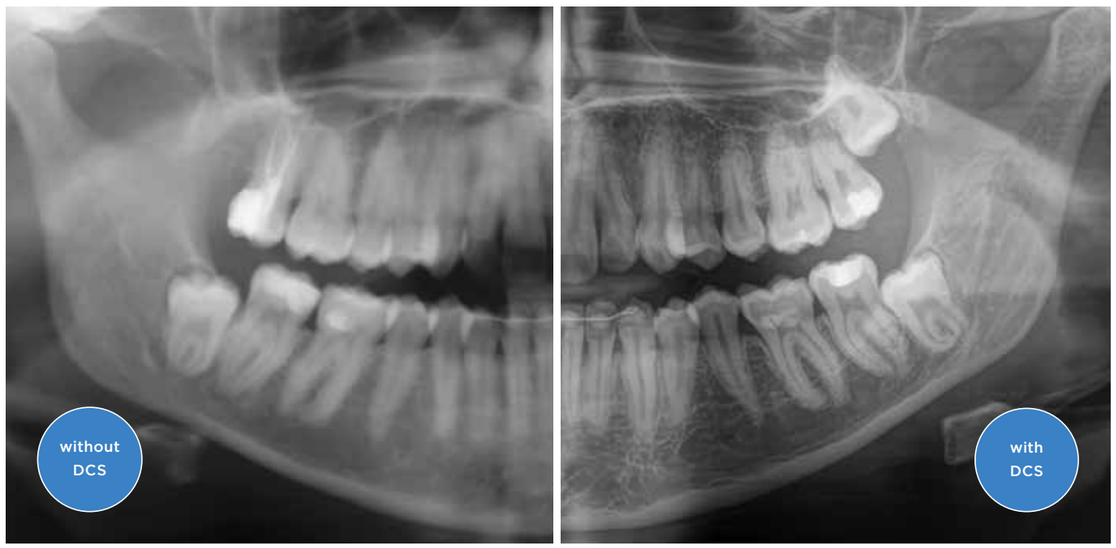
Digital imaging offers unbeatable benefits for every dental practice, creating a new standard for quality dental care. Lower radiation exposure and excellent images are associated with more efficient data management. When working digitally you have the ability to discuss your diagnosis, treatment methods and the services provided by your practice all completely chairside, allowing for a more attentive patient experience.



DCS – Sharpness for fine details

The Direct Conversion Sensor (DCS) has redefined the standard of panoramic imaging. X-rays are converted directly into electrical signals – unlike conventional systems, there are no signal losses due to light conversion. This means an improved image information output for you. The result is images with a uniquely high level of sharpness – even at an extremely low dose.

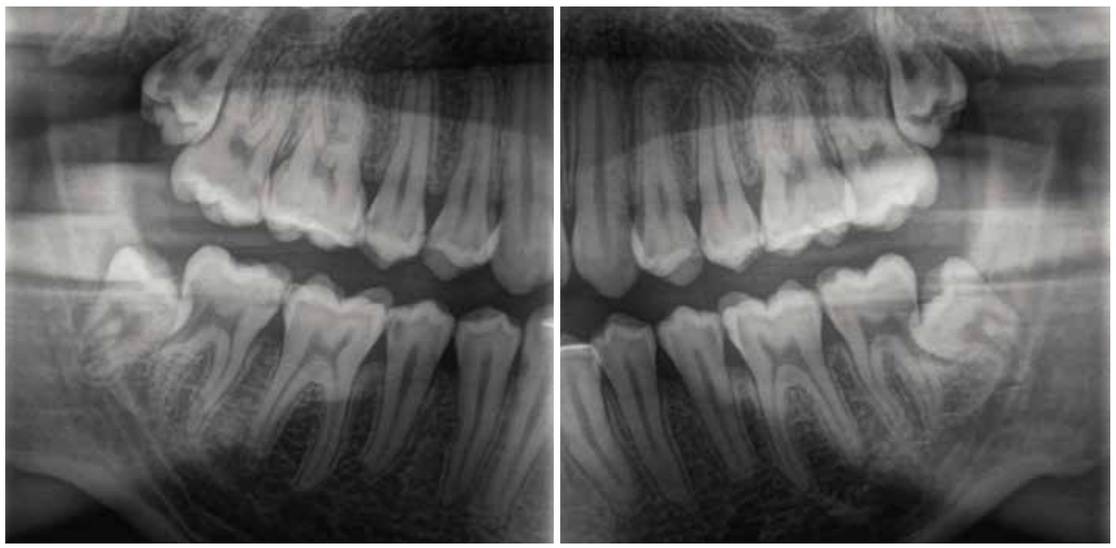
SL 2D/3D



Extraoral Bitewing

With all Orthophos models, you can use the bitewing function to create extraoral bitewing images with a lower dose and optimized curve for the posterior tooth region. With the image field selection you can focus on the area of interest.

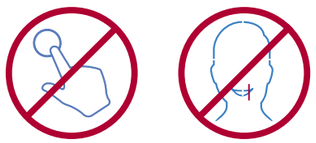
All models



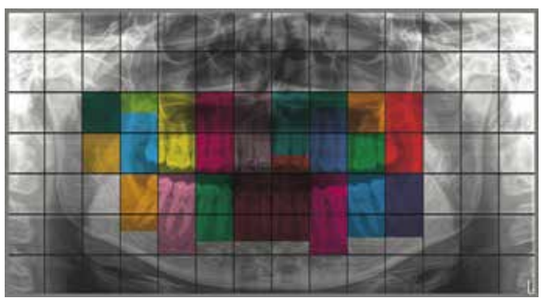
Autofocus – Automatically the best image

In order to get a sharp panoramic X-ray image with high definition, the right focus is essential. The jaw must be in the sharp image layer of the device. For this, the Orthophos creates several thousand individual images in one rotation and automatically recognizes the areas in which the jaw is optimally positioned. These are displayed in an overall sharp image – without any manual intermediate steps.

SL 2D/3D
S 2D/3D



Autofocus in Orthophos SL / S without manual steps such as the selection of images or the positioning of an incisor laser light. The device automatically and optimally brings all areas of the jaw into focus.



A sharp image is automatically calculated

The result is images in maximum sharpness

All 2D programs at a glance

The digital image offers you the full range of applications. Here you will find an overview of all 2D programs:

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

* For image samples see page 38–39

Custom 3D image

Whether overlaid teeth, unexpected canals, hidden roots or in the case of orthodontic surgery. 3D images are invaluable in a variety of clinical tasks. In addition, they simplify patient communication for greater acceptance of your treatment proposal.

Your advantages at a glance:

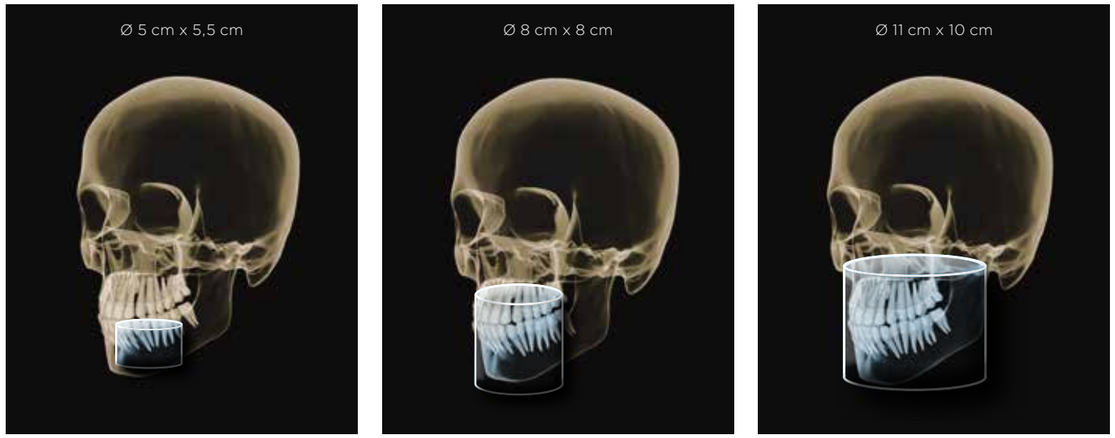
- 3D visualizes hidden structures
- Increased diagnostic confidence
- Better integration of patients into planning
- Improvement of your practice offering and as such your success
- Eliminates the need to refer your patient out for a CBCT scan

Precisely your volume –
More possibilities for your practice

SL 3D
S 3D

When it comes to volume size, dose and image quality, every clinical case brings with it individual requirements. The Orthophos family combines image quality and versatility. Choose the appropriate volume for your needs: From the focused Ø 5 cm x 5.5 cm volume to the Ø 11 cm x 10 cm volume, which displays the wisdom teeth and upper respiratory tract.

The available volumes of our 3D models at a glance:



Additional available volumes (varies by model): Ø 8cm x 5.5cm, Ø 11cm x 8cm, Ø 11cm x 7.5cm

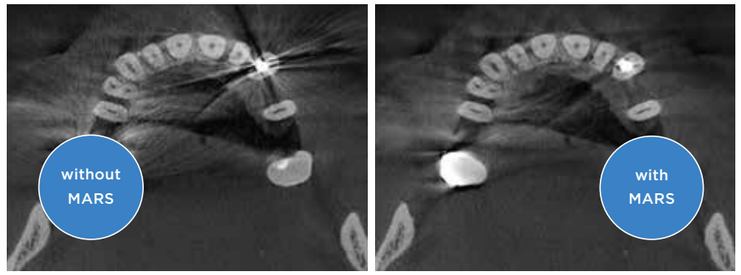
Each volume can be adjusted accordingly in three different modes to adapt to each patient's unique situation:

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

MARS –
Metal Artifact Reduction Software

SL 3D
S 3D

Metal artifacts are a challenge in 3D imaging. Radiopaque objects create shadowing and streaking effects during the three-dimensional reconstruction and as such interfere with the findings. MARS automatically reduces metal artifacts and facilitates the diagnosis.



MARS keeps anatomically relevant structures as free of artifacts as possible.

High Definition Mode (HD) –
Fine details for safe diagnostics

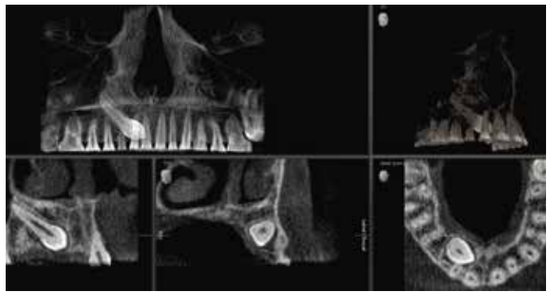
SL 3D
S 3D

Standard Definition mode (SD) provides all of your basic clinical information needed for a diagnosis, however in some cases it's better to further increase the quality of the X-ray image. In endodontics, for example, you need better visibility of fine structures for treatment planning and implementation. For this purpose, the Orthophos offers you High Definition mode (HD), in which up to 800 individual images are recorded during one rotation and merged into a low-noise 3D volume with high resolution of up to 80 µm. This mode guarantees a faster and safer diagnosis within the recorded volume.

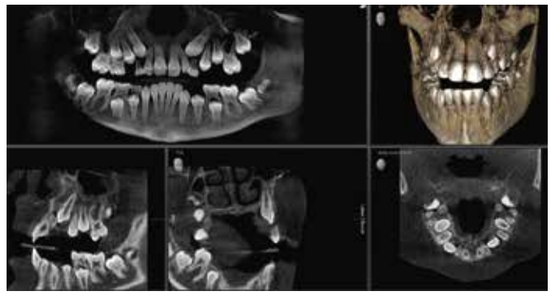
Low Dose –
CBCT in the dose range of a 2D image

SL 3D
S 3D

The optimized Low Dose mode with a dedicated filter allows for the imaging of dense structures, like bone, at a greatly reduced dose. This makes Low Dose an efficient option for many clinical tasks – especially for those in orthodontics or implantology. With the two 3D models in the Orthophos family, you're choosing on a case-by-case basis whether you use high-resolution volumes for fine structures (HD) or a low-dose image with a minimal dose.



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



Tooth position determination Ø 8 cm x 8 cm at 8 µSv

Low Dose
for a variety of clinical tasks

Program selection for the case-based application using the ALARA (As Low As Reasonable Achievable) principle

Tooth position determination in 3D at low dose, especially for young, radiation-sensitive patients

Implant control in 3D in the dose range of an intraoral X-ray

Sleep apnea therapy with SICAT Air and OPTISLEEP

"With the new Low Dose mode, I can now optimally control the success of my work postoperatively in three dimensions, without exposing the patient to unnecessary radiation."

Dr. med. dent Gerd Frahsek, Velbert

Easy to operate, secure positioning

For you, choosing the Orthophos family is about two things: getting the best possible image to support your diagnosis and having your patient feel comfortable. For both, our models offer unique, patented solutions. Optimize your practice's workflow with intuitive user interfaces and automatic positioning aids to avoid unnecessary secondary exposures.

Everything for the best image

1

Patented occlusal bite block

Position the patient with the patented occlusal bite block. The Orthophos intuitively determines the correct tilt of the head for optimal positioning and informs you through correlating symbols and colors how to adjust accordingly with just the press of the up or down arrow.

SL 3D
S 3D

2

Stable patient positioning

Stable patient positioning prevents motion blur. The motorized 3-point head fixation and sturdy handles give your patient the necessary support. The integrated temple width measurement automatically ensures a patient-specific orbit. Unnecessary downtime can be reduced by the automatic opening of the temple support for a successful X-ray outcome.

All models

3

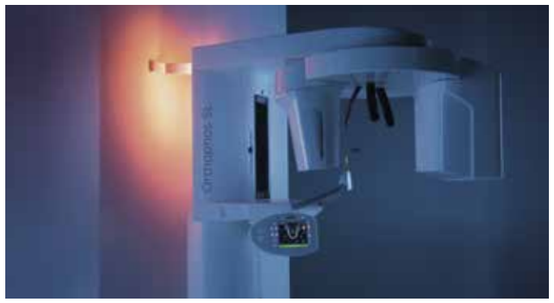
Intuitive use

The EasyPad, which can be swiveled and tilted to your desired position, offers you absolute flexibility and optimal use. In addition to clear user options on the innovative touchpad your workflow is supported, no matter how your X-ray room is set up.

SL 3D
S 3D

Everything for your patient

The Orthophos family is designed according to the ALARA principle to allow the best image at the lowest necessary dose. All programs and capture parameters are tailored to the specific diagnostic tasks and offer you more diagnostic options and a particularly fast capture procedure.



With a selection of over 30 colors, the **Ambient Light** of the Orthophos SL creates a pleasant atmosphere for your patient and blends in perfectly with your modern practice look.

All Orthophos models allow for **wheelchair accessible** patient postioning.

On the Orthophos positioning tools:

“Our whole team gets along very well with the positioning. The many useful features such as automatic light localizers, luminous height adjustment buttons and the intuitive program selection allow us to work efficiently – and with very good image quality. Combined with the Sidexis 4 software, the Orthophos gives us absolute confidence in the findings.”

PD Dr. Dr. Lutz Ritter, Maxillofacial Surgery, Hennef

Sidexis 4 software

Whether 2D or 3D – brilliant images are only visible in the corresponding software. The modern and highly intuitive imaging software, Sidexis 4, supports clear diagnoses. With its award-winning user interface, it promotes an accessible workspace and clear navigation, saving valuable practice time. The clear platform also creates a basis for optimal patient communication, increasing comfort and understanding – a strong foundation for trust.

Integrated Workflows

Sidexis 4 can be easily integrated into your practice and intuitively operated without a lot of training. Beyond that, you're prepared for the future: Sidexis 4 also offers expansion possibilities beyond the image field.

Modern, intuitive design

Sidexis 4 offers a completely new, updated look. Beyond the impressive esthetics, the new software also boasts an intuitive operating approach and clear design. The new timeline function also offers you a clear diagnosis and treatment history of your patients.

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 giving you confidence in the diagnosis and treatment.

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.

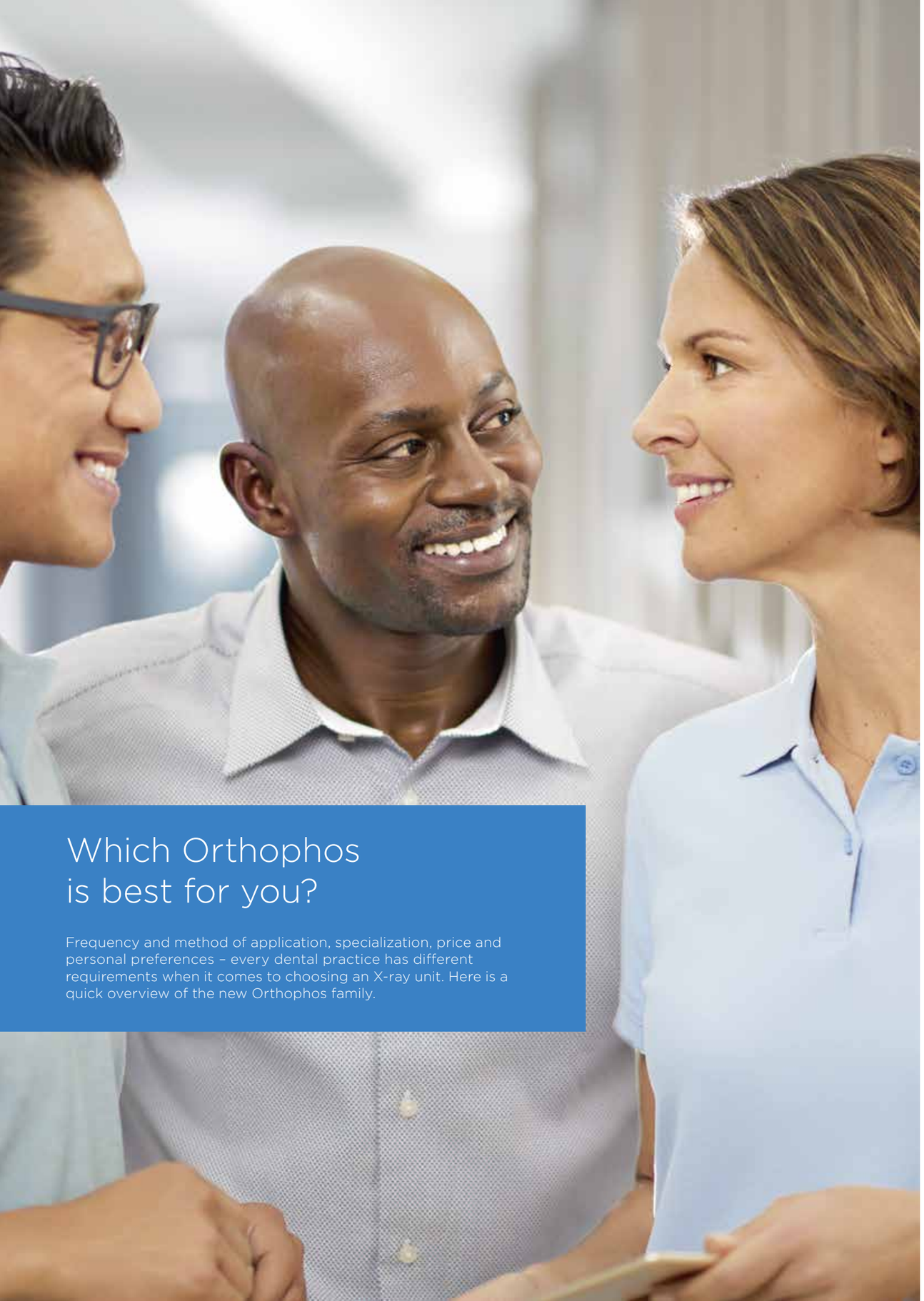
Mobile image visualization with the Sidexis iX iPad app

Whether changing treatment rooms or explaining your diagnosis directly on the image – with Sidexis iX, you can take images with you wherever you go and make the iPad a comfortable advisory tool.

3D imaging to go
so you can use all the mobile and flexible advantages of the iPad

Implant visualization
to clearly present implantological therapy proposals

Sidexis 4 Databank Access
providing the complete use of the Sidexis 4 databank and available offline copies



Which Orthophos is best for you?

Frequency and method of application, specialization, price and personal preferences – every dental practice has different requirements when it comes to choosing an X-ray unit. Here is a quick overview of the new Orthophos family.

Orthophos E

The solid entry-level unit *for price-conscious practices – and a smooth entrance into the world of digital imaging.*

Unit variants
Orthophos E 2D
Optional Ceph,
left

Patient positioning
Manual

Panoramic technology
CsI sensor

Orthophos S

The reliable all-rounder *with a comprehensive performance spectrum in 2D and 3D – optimized for everyday tasks in the field.*

Unit variants
Orthophos S 2D
Orthophos S 3D
Optional Ceph,
left or right
3D-FoV ø 5x5,5 - ø 11x10

Patient positioning
Automatic

Panoramic technology
CsI Plus sensor
Autofocus

Orthophos SL

The high-end model *with the best image quality for practices with a grasp of the latest technologies – and for those who simply want more.*

Unit variants
Orthophos SL 2D
Orthophos SL 3D
Optional Ceph,
left or right
3D-FoV ø 5x5,5 - ø 11x10

Patient positioning
Automatic

Panoramic technology
DCS sensor
Autofocus

+ Autofocus
+ Occlusal bite block

+ DCS
+ Ambient Light

2D

2D/3D

Orthophos SL

2D/3D imaging system

The premium 2D/3D high-end unit for practices with a keen understanding of the latest technologies and for those who simply want more. The integrated Direct Conversion Sensor (DCS) completely redefines the standard of panaromic imaging – delivering unique sharpness. The namesake, the Sharp Layer technology, provides autofocused panoramic images, even in difficult cases. The Orthophos SL guarantees maximum ease of use through automatic positioning, intuitive operation with the EasyPad and an individually adjustable ambient light for an exclusive look and feel.

For all those who want even more

Services and Functions

1 **Unique DCS sensor**
For outstanding images with the highest quality

2 **Sharp layer technology**
For presentation in reliable sharpness, and the possibility for subsequent object focusing

3 **Low Dose and HD function**
3D imaging in the dose range of 2D X-ray, HD images with up to 80 µm resolution

4 **Autopositioning with occlusal bite block and EasyPad**
For optimally positioned images and easy reproducibility at any time

5 **Comprehensive panoramic and cephalometric programs**
For bitewing, sinus or ceph images, left or right ceph arms are optional and can be retrofitted at any time

6 **Safe and proven patient positioning**
With motorized temple and forehead support, automatic temple width measurement, light localizers and sturdy handles

7 **Coordinated volume sizes**
From ø 5 cm x 5.5 cm to ø 11 cm x 10 cm

8 **Ambient Light**
Over 30 colors options a pleasant atmosphere

DESIGN AWARD 2015

reddot award 2016
winner

Outstanding image quality thanks to the DCS sensor and Sharp Layer technology.

Orthophos S

2D/3D imaging system

The high-quality 2D/3D X-ray unit 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 daily practice tasks. Thanks to the CsI Plus sensor with autofocus function, you are assured sharp images every time, even in anatomically difficult cases and the patented occlusal bite block positions patients automatically. For use in orthodontics, the Orthophos S is also available with an optional ceph arm. And because future-proofing is a priority at Dentsply Sirona, ceph arm and 3D can be retrofitted at any time

Optimized for everyday tasks in the practice

Services and Functions

1
2D CsI Plus sensor with autofocus function
For sharp, autofocused images even in anatomically difficult cases

2
Coordinated volume sizes
From ø 5 cm x 5.5 cm to ø 11 cm x 10 cm

3
Low Dose and HD function
3D imaging in the dose range of a 2D X-ray, HD images with up to 80 µm resolution

4
Patented occlusal bite block for automatic positioning
Maximum consistency and reproducibility, thanks to automatic patient positioning

5
Ceph arm on the left or right
For ceph images, can be ordered as an option or can be retrofitted at any time

6
Safe and proven patient positioning
With motorized temple and forehead support, automatic temple width measurement, light localizers and sturdy handles

Sharp images thanks to the CsI Plus sensor and autofocus

Orthophos E

2D imaging system

The solid 2D x-ray unit for cost-conscious practices. The entry-level device provides a smooth entrance into the world of digital imaging through reliable diagnostics, thanks to CsI sensor technology and straightforward use. The cephalometric option also makes the Orthophos E a reliable partner for orthodontics. Enrich your practice with a wide range of services that are only possible through digital imaging.

For a smooth entrance into digital imaging

Services and Functions

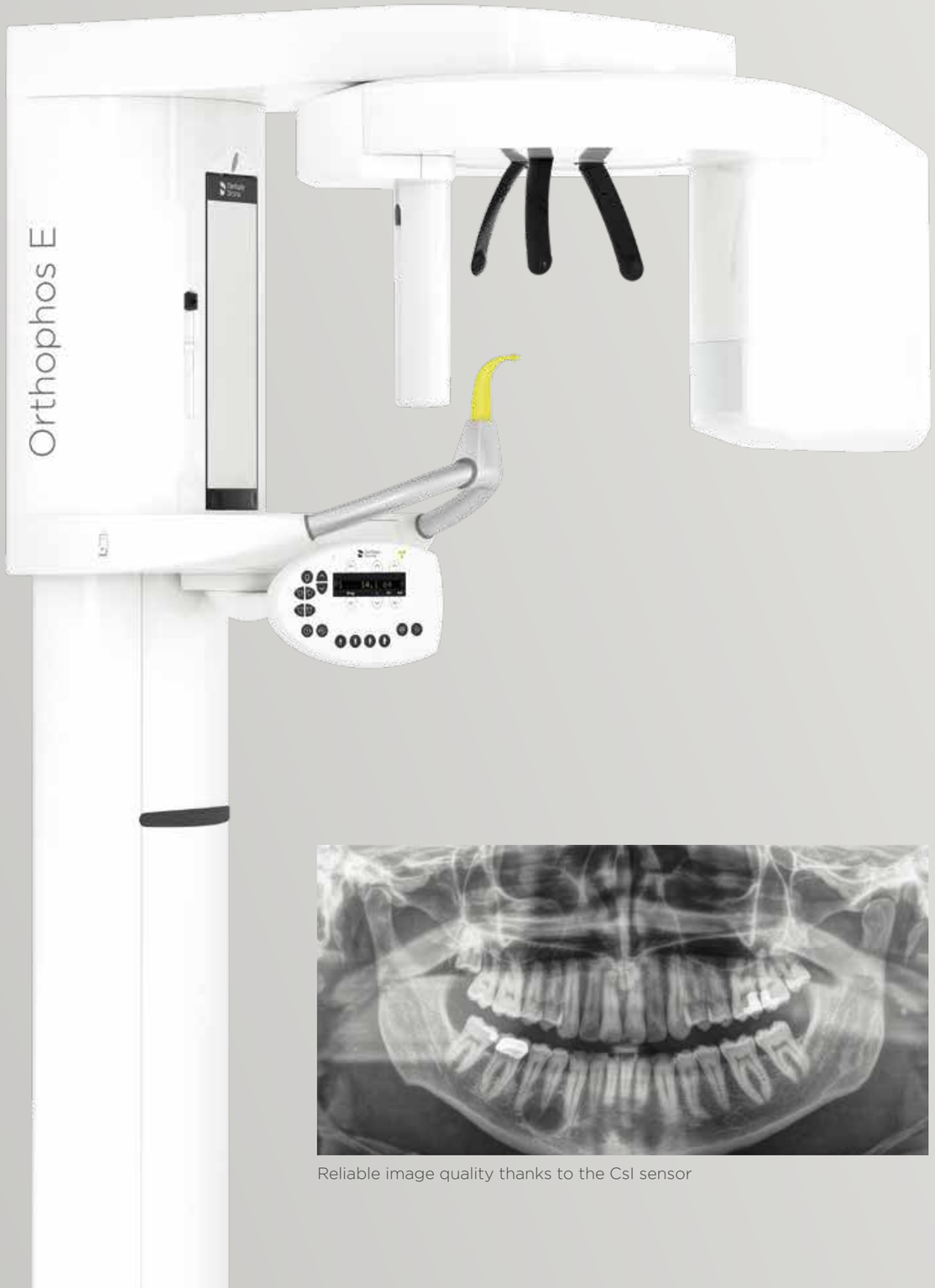
1
2D CsI sensor
For an accurate diagnosis, thanks to reliable image quality

2
Important 2D programs
For basic diagnostics in 2D

3
Safe and proven patient positioning
With motorized temple and forehead support, automatic temple width measurement, light localisers and sturdy handles

4
Ceph arm (left)
For ceph images, can be ordered or retrofitted at any time

5
MultiPad control panel
For clear and thoughtful operation



Reliable image quality thanks to the CsI sensor

1877
Erwin Moritz Reiniger begins manufacturing electro-medical and physical devices

1905
First dental x-ray device worldwide („RECORD“)

1934
Smallest x-ray device worldwide (X-ray sphere)

1987
Introduction of dental CAD/CAMSystems Cerec

1995
Orthophos Plus DS:
First digital imaging system

2004
Introduction of Orthophos XG Family

2006
Introduction of Galileos 3D

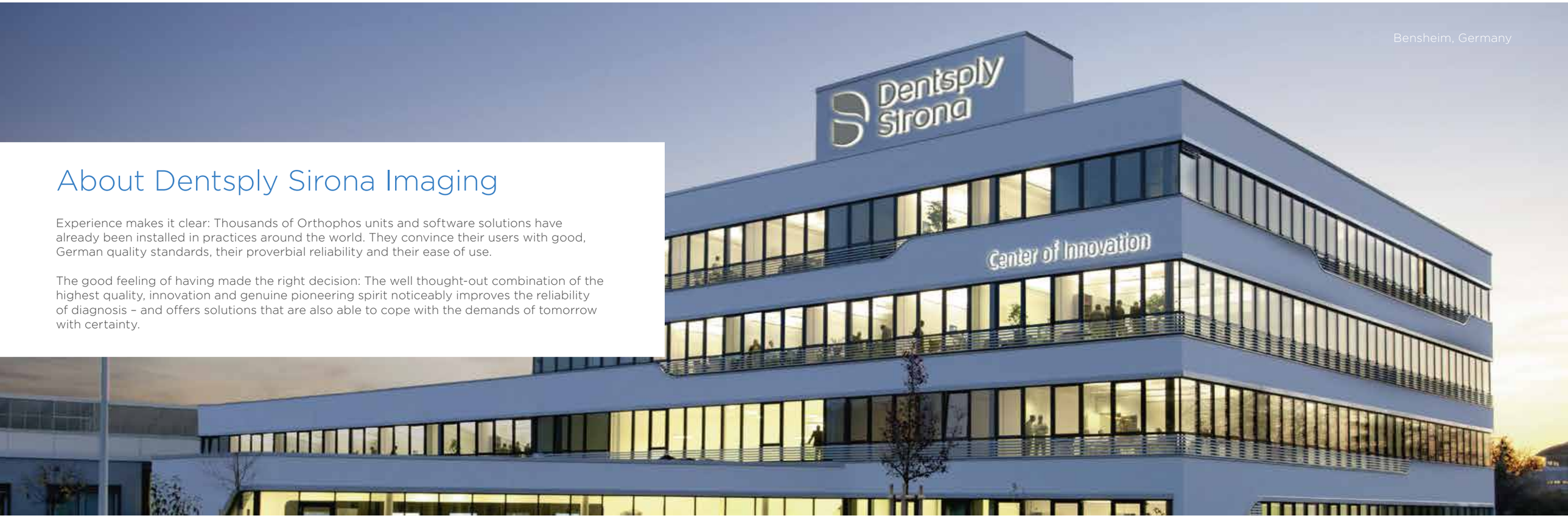
2009
CEREC meets Galileos/integrated implantology

2010
Orthophos XG 3D:
Breakthrough for 3D imaging in every dental practice

About Dentsply Sirona Imaging

Experience makes it clear: Thousands of Orthophos units and software solutions have already been installed in practices around the world. They convince their users with good, German quality standards, their proverbial reliability and their ease of use.

The good feeling of having made the right decision: The well thought-out combination of the highest quality, innovation and genuine pioneering spirit noticeably improves the reliability of diagnosis – and offers solutions that are also able to cope with the demands of tomorrow with certainty.



Bensheim, Germany

2012
Xios XG Supreme Sensors:
HD image quality for intraoral x-ray

2015
Introduction of Xios Scan Image Plate Scanner

2017
Introduction of Low Dose mode for Orthophos SL 3D

2015
Introduction of Sidexis 4 –
The new gold standard & heart of the Dentsply Sirona workflow

2015
Introduction of Orthophos SL – The comprehensive imaging solution for each practice

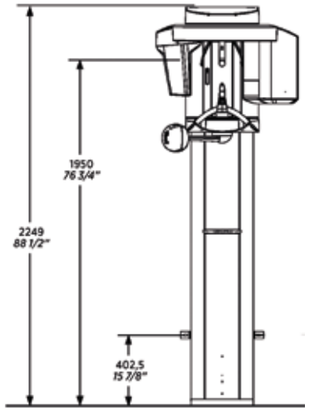
2019
Introduction of the new Orthophos family

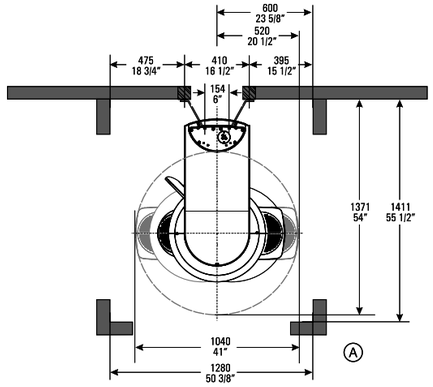
The Orthophos family: Technical properties overview

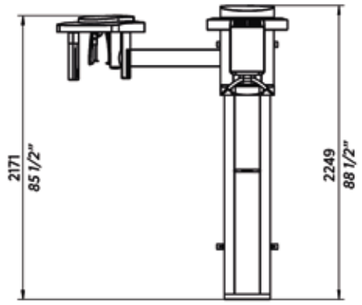
Performance features	Orthophos E 2D	Orthophos S 2D	Orthophos SL 2D	Orthophos S 3D	Orthophos SL 3D
X-ray generator	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16mA
Panoramic exposure time	P1 14,2 s max.	P1: max 14,2 s P1 Quickshot: max 9,1 s	P1: max 14,2s P1 Quickshot: max 9,1 s	P1: max 14,2 s P1 Quickshot: max 9,1 s	P1: max 14,2 s P1 Quickshot: max 9,1 s
Radiation time Ceph	Standard 9,4 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
User interface	MultiPad	EasyPad	EasyPad	EasyPad	EasyPad
Patient positioning	manual	automatic (occlusal bite block)	automatic (occlusal bite block)	automatic (occlusal bite block)	automatic (occlusal bite block)
Panorama technology	CsI	CsI Plus	DCS	CsI Plus	DCS
Autofocus	-	yes	yes	yes	yes
Ceph arm (optional)	left	left or right	left or right	left or right	left or right
Ceph unit with 2 sensors	optional	yes	yes	yes	yes
Quickshot	-	yes	yes	yes	yes
Fields of View	-	upgradeable	upgradeable	5x5 bis 8x8 5x5 bis 11x10	5x5 to 8x8 5x5 to 11x10
3D Low Dose	-	upgradeable	upgradeable	yes	yes
HD mode	-	upgradeable	upgradeable	yes	yes
Base	optional	optional	optional	optional	optional
Wheelchair accessible	yes	yes	yes	yes	yes
Remote control	optional	optional	optional	optional	optional
Ambient Light	-	-	yes	-	yes

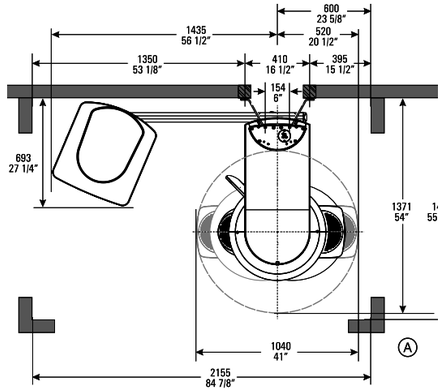
Base (optional)

Remote release with display
of the capture parameters (optional)









Recommended room dimensions:
- Orthophos: space required 1,280 mm × 1,411 mm,
- Orthophos with ceph side arm: space required 2,155 mm × 1,411 mm

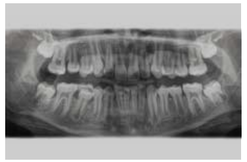
All further measurements you will find in the according installation requirements.

The image spectrum of the Orthophos family

Panorama

P1 orthoradial radiation

P2 without ascending rami

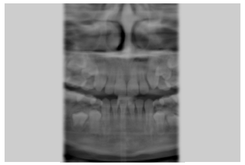


P10 pediatric panorama, beam field reduced in height and length

Standard exposure | Constant magnification 1,25 | With artifact reduction

Optional panning:

Upper jaw, lower jaw, Left, Right, Individual quadrants

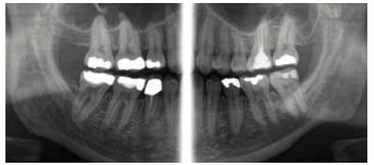


P12 thick slice in anterior tooth region

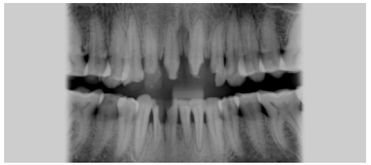
Optional panning:

Upper jaw, lower jaw

Bite wing



BW1

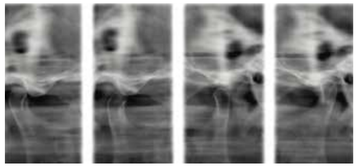


BW2 anterior tooth region

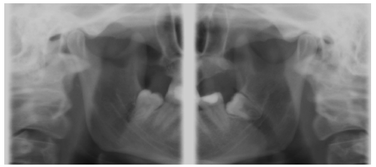
Optional panning:

Right, Left

TMJ



TM1 lateral

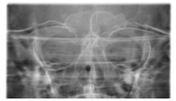


TM3

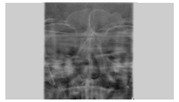
Adjustable radiation angle:

With open and closed occlusion, with a slice position

Sinus

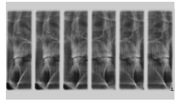


S1 jaw cavities



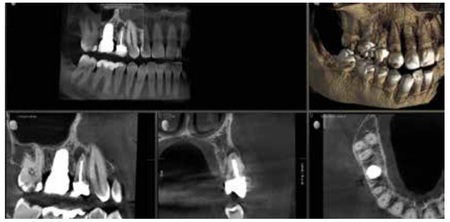
S3 simple jaw cavities linear

Multislice in posterior tooth region

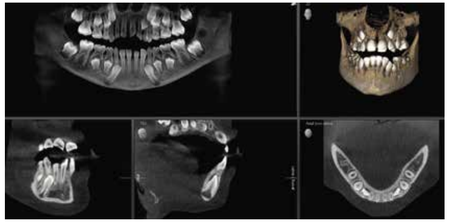


MS 1

Examples of possible applications in your practice



Ø 5 cm x 5.5 cm HD volume



Ø 8 cm x 8 cm image in low dose mode with 15 µSv

PC Requirements

Requirements for image acquisition computer

Orthophos	S 3D / SL 3D	S 2D / SL 2D	E
Operating system	Windows 7 Professional/Ultimate (64 bit) Windows 8.1 Professional (64 bit) Windows 10 Version (64 bit)		See requirements for Sidexis 4 2D workstation
CPU	≥ 2.3 GHz QuadCore with SSE3 support (Intel > i7-3xxx or similar)	SL*: > 2.3 GHz QuadCore with SSE3 support. (Intel > i7-3xxx or similar) S: > Intel i3 3rd generation or similar	
RAM	16 GB		
Hard drive	> 1 TB of free hard drive capacity		
Graphics card	DirectX 11 graphics card (2 GB of dedicated RAM) with the current graphics card drivers (a list of tested graphics adaptors can be found in the Dentsply Sirona retailer section.)	SL*: DirectX 10 graphics card (1 GB of dedicated RAM or Intel Onboard graphic with current graphics driver) S: DirectX 9.0c graphic card (512 MB of deidcated RAM or Intel Onboard Graphcs with current graphic card drivers)	
Screen resolution	Minimum 1280 x 1024 pixels 1600 x 1200 pixels are recommended		

* with panorama editor

Requirements for the Sidexis 4

PC Workstation	Sidexis-Server	Min. for 2D Station	Min. for 3D Station
Operation system*	Windows Server 2008 R2 Windows Server 2012 R2 Windows Server 2016 Windows 7 Pro SP1 (64bit) Windows 8.1 Pro (64bit) Windows 10 Pro (64bit)	Windows 7 Pro SP1 (32 o. 64bit) Windows 8.1 Pro (64bit) Windows 10 Pro (64bit)	Windows 7 Pro SP1 (64bit) Windows 8.1 Pro (64bit) Windows 10 Pro (64bit)
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
Graphics memory**	≥ 1GB	≥ 512 MB	≥ 1GB
DirectX	DirectX 10 with WDDM 1.0 or higher driver	DirectX 9.0c	DirectX 10 with WDDM 1.0 or higher driver
Hard drive	> 1 TB	≥ 5 GB	≥ 5 GB

* installation for 64 bit – operating systems is also approved using Bootcamp
** So that the interaction with the volumes generated in 3D remain reliably "stable", graphics cards with at least the following PassMark GPU benchmark values are recommended: NVIDIA PassMark > 1000. AMD PassMark > 1500. 1500 Onboard > 540

Further information at www.sidexis.com/systemrequirements
System requirements for the used hardware may vary.

Dentsply Sirona

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