

AS VERSATILE AS YOUR PRACTICE.

The ORTHOPHOS family offers the right solution for every practice. From entry into digital radiography to the perfect solution for your area of specialty—Sirona offers a product family sophisticated in every way with the ideal solution for every dentist. **Enjoy every day. With Sirona.**









UNPARALLELED DIGITAL ADVANTAGES.

Digital imaging is becoming the standard in more and more dental practices. The benefits are obvious: lower radiation exposure, and more brilliant images accompanied by a more efficient practice workflow. At the same time, both treatment methods and practice services are easily accepted by the patient.



Best image quality

- O DCS and Sharp Layer Technology provide never-before-seen imaging definition*
- O Automatic adjustment to the jaw width ensures high image sharpness
- Automatic image processing assists with detailed image visualization
- O 3-point patient stabilization prevents motion blurring
- Automatic patient positioning for panoramic images with auto positioner**



Low dose

- ORTHOPHOS offers the best image quality at the lowest achievable dose
- O Quickshot mode reduce dose even further
- Reliable positioning prevents errors and repeat imaging
- Optimal radiation management through panoramic and cephalometric collimation
- O Automatic radiation management for differentiated image indications



Easy and efficient workflow

- O Logical symbols on the control panel prevent operator errors
- Efficient software analysis tools for quick and clear diagnosis
- O Easy data exchange with practice management systems (DICOM compliant)
- O All the advantages of SIDEXIS 4 software





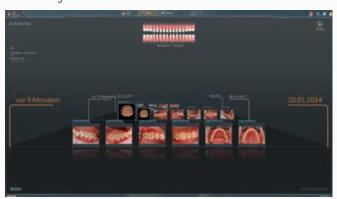
^{**}Standard with ORTHOPHOS SL DCS and ORTHOPHOS XG 3Dreads





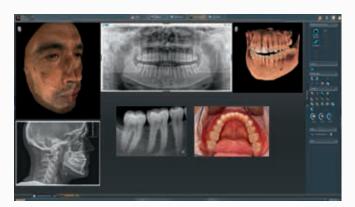
Simple overview of the patient history

The timeline gives us a quick overview of the entire history of the patient. This allows you to add a time dimension to your diagnostic options in a very



Compare images directly

Ideal for a comprehensive diagnosis: In the Lightbox, 2D and 3D images as well as camera images and FaceScan data can be compared side-by-side.



WORKING DIGITALLY IS SO EASY.

SIDEXIS 4—this is the core of the digital workflow with Sirona.

SIDEXIS 4 is the new standard in clinical diagnosis and patient communication. The software with its intuitive user interface has a very simple structure: it follows your work processes and provides you at all times with all visual data of your patients seamlessly and at a glance-whether 2D, 3D or intraoral. This integrates your patients optimally and thus results in a high acceptance of your treatment proposal. SIDEXIS 4 stands for real imaging efficiency.



- Modern design
- O Software platform for all Sirona x-ray units
- O Intuitive operation, optimally coordinated workflows
- O Simple overview of the patient history thanks to the intuitive timeline
- Easy export of DICOM data sets
- O Interface of the integrated solutions from Sirona

Clear and understandable workflows

The software structure with easy-tounderstand symbols makes it simple to use. It is geared to your practice workflows and it helps the entire practice team to use the software intuitively.

MAXIMUM IMAGE QUALITY WITH THE LOWEST DOSE.

The ORTHOPHOS® family has been developed according to the ALARA principle to allow the best x-ray images with the lowest radiation dose. All programs and image parameters are tailored to the specific diagnosis tasks while offering you more diagnostic options and treatment at the same time.





QUICKSCAN FUNCTION

The QuickScan function allows faster exposure cycles at a low radiation dose. This makes it easier to take panorama and cephalometric images of children, for example.



LOWER DOSE THANKS TO THE COLLIMATOR FUNCTION

Use the collimator function to select the region of interest if only a specific area of the volume is required for diagnosis. You can focus in on a more narrow region while also achieving a corresponding even lower dose.



PEDIATRIC PANORAMIC IMAGES

The horizontally and vertically reduced pediatric panoramic program achieves outstanding image quality with lower dose.

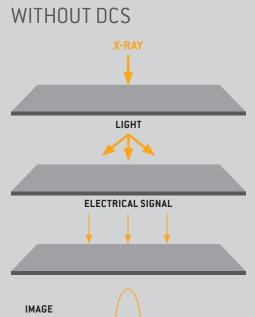


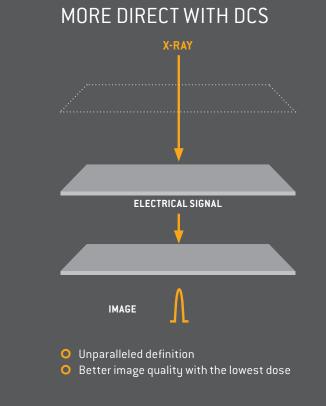


SHARPNESS DOWN TO THE SMALLEST DETAIL.

Experience the future of panoramic imaging with the Direct Conversion Sensor (DCS)*. X-rays are converted directly to electrical signals—no signal loss due to light conversion in contrast to conventional systems. Your advantage: incomparable definition.

* ORTHPHOS SL line of products.





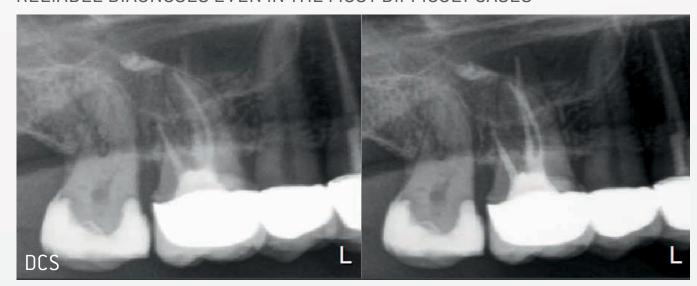


Direct Conversion Sensor (DCS)
Unparalleled image quality with the lowest dose: The Direct Conversion Sensor in the ORTHOPHOS SL converts x-rays directly to electrical signals. This leads to less signal loss and an improved yield of image information. This results in very high-definition images—even at an extremely low dose.

BETTER IMAGES, MORE ACCURATE FINDINGS.

The Sharp Layer (SL) technology automatically adapts the panoramic curve to the patient's individual anatomical features, ensuring that the entire jaw is always in the sharp layer. Manual pre-selection of the dental arch and tooth anomalies is eliminated. Special cases such as displaced teeth are no problem because you can define an image detail of your choice to focus in on lingual/buccal objects after scanning thanks to Interactive SL—for determining position without corrective scans with the ORTHOPHOS SL DCS.

RELIABLE DIAGNOSES EVEN IN THE MOST DIFFICULT CASES



Thanks to Interactive SL, you can easily focus in on the required palatal / buccal objects without corrective scans even in special cases such as the hidden tooth root at the top of the image.



ASTRA FOR ORTHOPHOS® XG 3D^{ready} AND XG 5.

For quick and reliable diagnoses in all cases, ORTHOPHOS XG 3Dready and XG 5 Units offer:

- Artifact-reduced images with ASTRA
- O Sharper, higher-contrast images for HD scans with the HiDef sensor



Together with the ASTRA, the HiDef sensor produces extremely high-contrast and detailed panoramic and cephalometric for easier diagnosis.



processing with ASTRA.

ASTRA

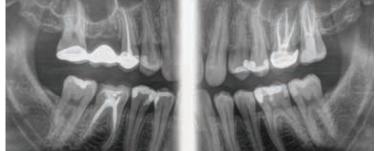
The ASTRA image-processing algorithm produces 2D panoramic and cephalometric images with unprecedented clarity and contrast.

- Highest 2D image quality at the touch of a button, for faster and better diagnoses
 Reduces false positive diagnoses of caries
- on metal margins

 Persuasive image impression, even for patients

* ASTRA = Anatomically STructured Reconstruction Algorithm.

High contrast and improved visualization of details.



High edge sharpness without black margins around metal fillings.



HD imaging with the HiDef sensor.



Detailed view with ASTRA



WHICH ORTHOPHOS® IS RIGHT FOR YOU?

Reliable diagnosis. Superior images. Lowest radiation dose. Gain the trust and confidence of your patients with an ORTHOPHOS by your side. Like all Sirona imaging units, the units in the ORTHOPHOS family have been designed to ensure the best image quality with the lowest dose and a perfect workflow.

See for yourself:

OVERVIEW OF UNITS

ORTHOPHOS SL DCS

The ORTHOPHOS SL DCS offers the highest image quality for demanding diagnoses with the lowest dose. For future-oriented practices, the unit can be equipped with an optional cephalometric arm and a 3D module with a volume up to 11×10 cm.

ORTHOPHOS XG 3Dready

ORTHOPHOS XG 3D^{ready} offers sophisticated diagnosis options for endodontics, periodontics, implantology, orthodontics, and surgery This unit can be equipped with an optional cephalomteric arm and can be upgraded with a 3D module up to 8 \times 8 cm and is ideal for future-oriented practices.

ORTHOPHOS XG 5

With temporomandibular joint, sinus, bitewing, and pediatric panoramic programs, ORTHOPHOS XG 5 allows for more specific diagnoses.



S ORTHOPHOS **Ambient light** The soothing ambient light with a range of over 100 colors creates a pleasant atmosphere for your patients and fits perfectly into your modern practice look.

ORTHOPHOS® SL DCS.

A revolution in 2D panoramic imaging.

The ORTHOPHOS SL DCS combines unparalleled image quality with an excellent workflow and the confidence that comes from Sirona quality. This means you can rely on finding the ideal diagnostic basis for your treatments every day. Together with the intuitive simplicity of modern SIDEXIS 4 imaging software, the ORTHOPHOS SL DCS becomes the complete x-ray solution for any practice.

- O Direct Conversion Sensor for incomparable image definition
- O Sharp Layer (SL) ensures the entire jaw is in focus
- Interactive SL for subsequent lingual/buccal object focusing without a second x-ray
- O Automatic patient positioning using auto positioner
- O SIDEXIS 4 imaging software: modern, intuitive, unique tools
- Optional ceph arm and upgrade to a 3D device available

DCS SENSOR AND SHARP LAYER TECHNOLOGY PROVIDES NEVERBEFORE-SEEN IMAGING DEFINITION

ORTHOPHOS SL DCS features two key innovations: Sharp Layer (SL) Technology and the Direct Conversion Sensor. These features provide an unprecedented level of image quality. Image sharpness is always ensured for the entire jaw and even in special cases, such as difficult-to-position patients or displaced teeth.







Automatic Positioning

- Stable patient positioning prevents motion blurring
- The motorized 3-point head fixation and stable handles give your patients the necessary support
- The integrated temple width measurements ensure an orbit specific to each patient resulting in high image resolution



Ceph arm

The ceph arm can be mounted on the left or right side of the unit and provides detailed, high-contrast cephalometric images perfectly suited for orthodontic analyses and tracings.



Sharp Layer technology

Thanks to the SL technology, you not only get high-resolution panoramic images in the Sharp Layer, but can respond interactively within the image to special cases (lingually/buccally) – without additional exposure.



DCS for incomparable image quality

Use the most innovative sensor technology and benefit from high-resolution images with incomparable definition for a detailed diagnosis.



ORTHOPHOS® XG 3Dready

Now you can provide your patients with first-class treatments at a reduced radiation dose, while expanding your services at the same time. The ORTHOPHOS XG 3D^{ready} is an ideal partner for dentists and group practices that want to actively plan and design their future. The unit's wide range of programs prepares you to meet the challenge of any diagnostic situation.

- O The most comprehensive panoramic and cephalometric programs
- O HiDef sensor with ASTRA for 2D images with unprecedented clarity
- O Bitewing, sinus, and TMJ programs
- O The EasyPad ensures simple operation
- O Automatic patient positioning using auto positioner
- O Dose reduction through quadrant selection and Quickshot mode
- O Automatic adjustment of the rotation curve to the
- O Ceph option can be added to the left or right side of the unit
- O Expand performance spectrum by adding 3D module to achieve the fields of view of an ORTHOPHOS XG 3D
- O All image parameters are tailored to specific diagnostic tasks and are automatically adapted to head size





The patient bites on the patented auto positioner. This measures the inclination of the bite block plane, the direction of travel is displayed and the unit automatically stops in a plane that is preset by the service technician, for example, the occlusal plane.



Convenient operation Your assistant can quickly and easily recognize the functions required on the EasyPad. A preview image appears directly after scanning.

BEREADY FOR THE FUTURE.

ORTHOPHOS® SL DCS AND ORTHOPHOS XG 3Dready ARE DESIGNED TO BE FUTURE-READY, SO YOU DON'T NEED TO WORRY ABOUT WHAT'S AROUND THE CORNER.

READY TO GROW WITH YOU

Simple workflows mean you save time with your ORTHOPHOS. ORTHOPHOS SL DCS, and ORTHOPHOS XG 3D^{ready} in particular, grows with your practice. The ceph arm and the 3D module can be integrated later on, at any time. All ORTHOPHOS units are of the highest quality and durability, ensuring maximum investment security for you.

OPTIONAL 3D UPGRADE MODULE

Allows you to access 3D x-rays for challenging diagnostic situations, which gives you the confidence you need to perform more implants in your own practice. Also, 3D increases patient acceptance with the help of three-dimensional images. Patients not only better understand your diagnoses, they are more likely to accept your suggested treatment plan.





Your workflow with 3D

With the SIDEXIS software you can save your findings directly in the x-ray image and, on the basis of this documentation, produce radiological reports quickly and simply .



the 3D x-ray image. This ensures a high level of safety, fewer work steps, and better

results from both a surgical and esthetic perspective.



CEPHALOMETRIC X-RAY.

ORTHOPHOS® SL DCS and ORTHOPHOS XG® 3D^{ready} can be optionally upgraded to include a ceph arm, making all the relevant cephalometric x-rays available to orthodontists and surgeons.

If desired, ORTHOPHOS XG 3D ready can also be operated with two sensors. This means you do not have to change sensors when transferring from panoramic to ceph and the risk associated with manual changing is avoided.

PROGRAMS

- O Symmetric p.a.
- O Symmetric a.p.
- O Asymmetric, adjustable image size: 23 x 18cm (HxW) or 23 x 29cm (HxW)
- O Carpus images
- O Special projections, such as half-axial

ALSO WITH ORTHOPHOS SL DCS AND ORTHOPHOS XG 3Dready

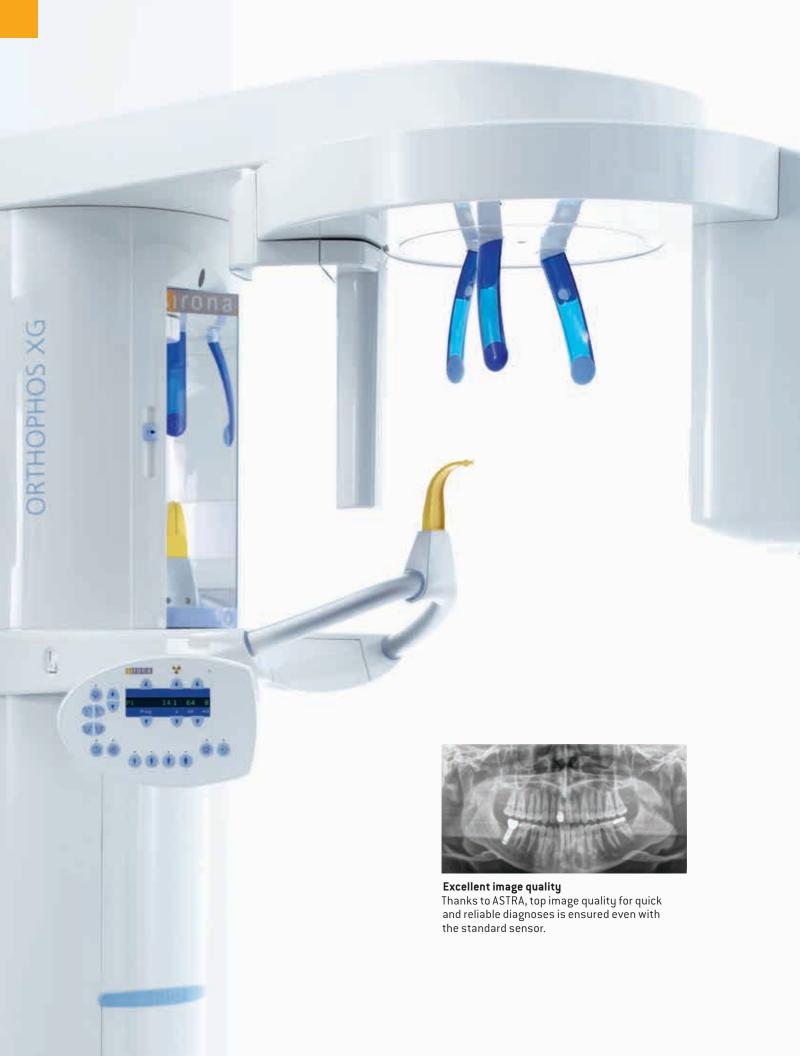
- O Anterior jaw shape available
- Quickshot mode for shorter exposure cycles
- Adjustable upper head collimation for dose reduction







Ceph scan: High contrast, less noise and high image sharpness.



ORTHOPHOS® XG 5.

Digital panoramic x-ray made simple.

The ORTHOPHOS XG 5 is for dentists and orthodontists who insist on the best technology to meet their most critical clinical requirements.

HIGH-QUALITY DIAGNOSTIC IMAGES WITH ASTRA

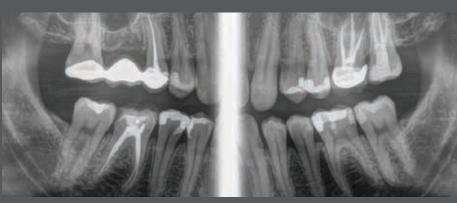
- HiDef sensor with ASTRA for 2D images with unprecedented clarity
- Automatic beam collimators re-adjust with each new program selection
- O Spinal column compensation for greater image clarity
- O Program selections include standard Pan programs for adults and children, bitewing, sinus, and TMJ
- All image parameters are tailored to specific diagnostic tasks and are automatically adapted to head size

VERSATILE MULTIPAD

- O Software-driven program selection
- Automated forehead and temple support
- Unit height adjustment and patient positioning from a single location



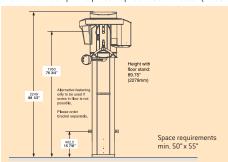


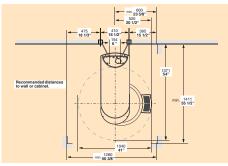


Bitewing exposure in the posterior tooth region

SPACE REQUIREMENTS

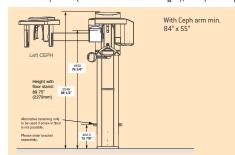
The ORTHOPHOS® pan requires a space of 50.4" x 55.6" (1280 x 1411 mm)

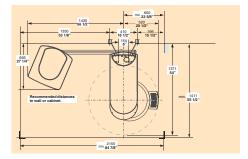




SPACE REQUIREMENTS WITH CEPH ARM

With the Cepharm (mounted on the left or right), the space requirement increases to 84.8" x 55.6" (2155 x 1411mm).





SIDEXIS 4 SOFTWARE.

SYSTEM REQUIREMENTS					
Server PC		Minimum requirements	Recommended requirements		
Operating system		Windows 7 Professional • Ultimate [64 bit]* Windows 8 Pro [64 bit]* Windows 8.1 Pro [64 bit]* • Windows Server 2008 [32 or 64 bit] Windows Server 2008 R2 (64 bit) Windows Server 2012 [64 bit] Windows Server 2012 R2 [64 bit]	Windows Server 2008 (64 bit) Windows Server 2008 R2 (64 bit) Windows Server 2012 (64 bit) Windows Server 2012 R2 (64 bit) 2012 (64 bit)		
RAM		≥4GB	≥8GB		
СРИ		≥2 GHz DualCore	≥ 2.3 GHz QuadCore processor with 64 bit (x64)		
Hard disk		>675GB	> 1TB		
		During operation it must be ensured that there is always sufficient hard disk space available.			
Workstation PC**		Recommended for 2D	Recommended for 3D		
Operating system		Windows 7 Professional, Ultimate (32 or 64 bit), also under Bootcamp* Windows 8 Pro (64 bit) • Windows 8.1 Pro (64 bit)	Windows 7 Professional, Ultimate (64 bit), also under Bootcamp* Windows 8 Pro (64 bit) Windows 8.1 Pro (64 bit)		
RAM		≥4GB	≥8GB		
CPU		≥2 GHz DualCore	\geq 2.3 GHz QuadCore processor with 64 bit (x64)		
Graphics card†		≥512MB	≥1GB		
DirectX		DirectX 9.0c	DirectX 10 with WDDM 1.0 or higher driver		
Hard disk		≥5GB	≥5GB		

^{*}System requirements of the hardware used may vary. More information at www.sirona.com/SIDEXIS4-system_requirements
**Certain requirements may change depending on the x-ray system used.
†The installation on a domain controller is not cleared.

	ODTHODHOC VC F	ORTHOPHOS XG 3D ^{ready}	ODTHODHOS SL DCS
	ORTHOPHOS XG 5	UKTHUPHUS XG 3D****	ORTHOPHOS SL DCS
Technical data			
User interface	MultiPad	EasyPad	EasyPad
Ceph arm (18 cm x 23 cm and 30 cm x 23 cm)	-	☐ Left or right	□ Left or right
Ceph unit with 2 sensors	-		
Quickshot	-	•	•
Selectable anterior jaw shape	-	•	-
Anomaly compensation	-	•	-
DCS with Sharp Layer	-	-	•
Automatic detection of jaw width		•	•
Retrofit options	-	Ceph/ 3D 8 x 8 cm FoV	Ceph/ 3D up to 11 x 10 cm FoV
90 kV high-frequency generator	•		
Automatic patient positioning: Occlusal bite block	-	•	•
X-ray generator	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA	60-90 kV, 3-16 mA
Panoramic exposure time	P1 Standard 14 s max	P1 Standard 14 s max, P1 Quickshot 9 s max	P1 Standard 14 s max, P1 Quickshot 9 s max
Patient positioning	Standing/seated	Standing/seated	Standing/seated
Radiation time Ceph 18 cm x 23 cm	-	9.4 s standard/ 4.7 s Quickshot	9.4 s standard/ 4.7 s Quickshot
Door width	At least 26 in for installation	At least 26 in for installation	At least 26 in for installation
Weight	Approx. 243 lbs	Approx. 243 lbs	Approx. 243 lbs
Floor stand			
Wheelchair accessible	-	•	•
Remote control	0		
HiDef sensor	-	•	Ceph
DCS sensor	-	_	Pan

Stable floor stand for stand-alone



Individual patient positioning even for wheelchair users

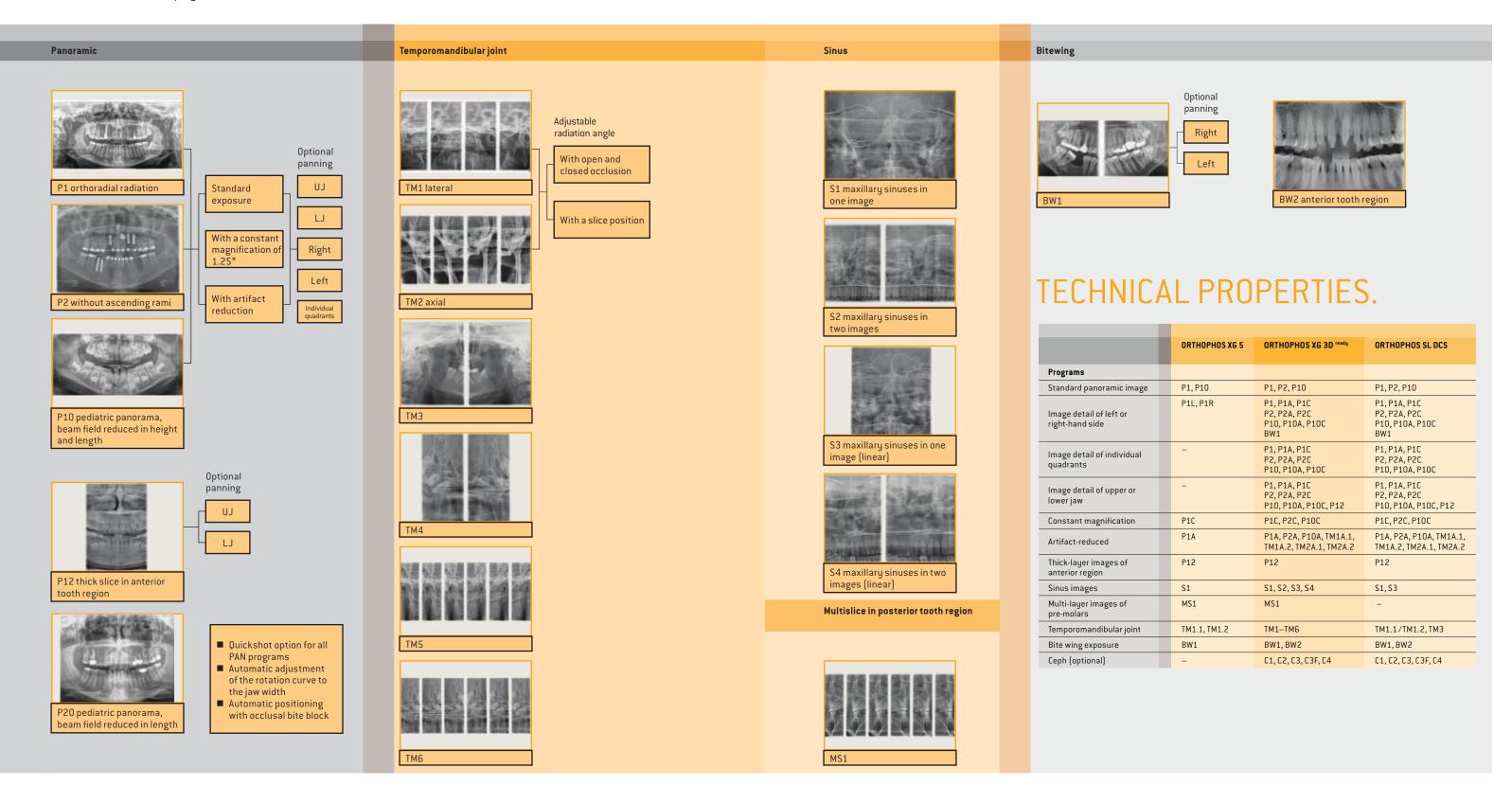


Easy control with display of exposure parameters included in the scope of supply



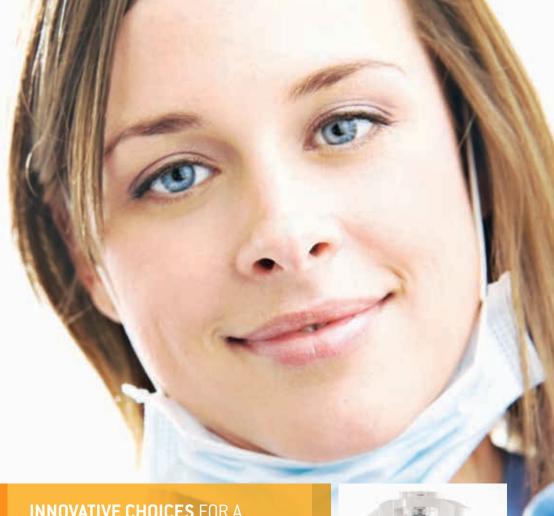
PROGRAMS AT A GLANCE.

This overview lists all programs and the associated scans of the ORTHOPHOS® Family. Please refer to the technical properties table for details of which of these programs are also available with the ORTHOPHOS SL DCS and the ORTHOPHOS XG 5.



^{*}The modified focal path for the constant magnification program is also ideal for large patients.

SIRONAUSA.COM





CEREC Omnicam: Providing dental restorations in just one session

INNOVATIVE CHOICES FOR A REWARDING PRACTICE LIFESTYLE

At Sirona, our broad range of compatible solutions is developed entirely around you. Every research study every R & D investment, and every new innovation is designed for one purpose: to help drive your success



GALILEOS ComfortPLUS: The best image quality to satisfy any dental specialty



Schick 33: The most advanced imaging resolution in the industry



Concept S: Surgery suite designed to optimize your clinical workflow



HELIODENTPLUS: Intraoral x-rays made easy



SIROLaser Advance: High-quality powerful laser for treatment and tissue management

SIRONA: THE DENTAL TECHNOLOGY LEADER

Sirona, the technology and innovation leader in dentistry, has served dentists worldwide for more than 130 years. Sirona develops, manufactures, and markets a complete line of dental products, including CAD/CAM restoration systems [CEREC], CBCT imaging systems [GALILEOS], extraoral imaging systems, digital intraoral imaging technology [SCHICK], dental treatment centers, and hand instruments.

For more information call 1.800.659.5977 or visit www.sironausa.com

JOIN THE CONVERSATION ON FACEBOOK: FACEBOOK.COM/SIRONA3D

