The 2D x-ray family
As versatile as practice life

The Orthophos 2D X-ray family offers the right solution for every practice. From entry into digital radiography to the perfect solution for your area of specialty – Dentsply Sirona offers a product family sophisticated in every way with the ideal solution for every dentist.
Unbeatable 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 more efficient data management. At the same time, both treatment methods and practice services can be clearly explained to the patient.

- Outstanding image quality with the lowest dose
- Optimum workflow to work more efficiently
- A variety of analysis tools for simplified diagnosis
- Elimination of the darkroom for more room in the practice
- Better patient integration
- Professional marketing of practice services
- No development with toxic chemicals
Dentsply Sirona imaging units stand out for their simple operation and positioning, thus providing efficient workflows. The unprecedented image quality allows extremely precise diagnosis and planning. With Dentsply Sirona, you trust a global brand with hundreds of thousands of units in practice distinguished by their Made in Germany quality.

Work quickly, precisely and reliably

Dentsply Sirona imaging units stand out for their simple operation and positioning, thus providing efficient workflows. The unprecedented image quality allows extremely precise diagnosis and planning. With Dentsply Sirona, you trust a global brand with hundreds of thousands of units in practice distinguished by their Made in Germany quality.
Easy operation, safe positioning

Dentsply Sirona offers unique patented solutions for operating the units and positioning the patients. Optimize your practice workflow with intuitive user interfaces and automatic positioning aids that eliminate unnecessary corrective scans and waiting times.

The new positioning tools make for good imaging.

“Positioning with the Orthophos SL is very easy for our team. The many aids such as automatic light localizers, illuminated height adjustment buttons and intuitive program selection allow us to work efficiently with very good image quality. In combination with Sidexis 4, we have a comprehensive package that gives us absolute confidence in the findings.”

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

Intuitive operation
No matter how your X-ray room is set up – the swiveling and tilting EasyPad makes it highly flexible and the clearly arranged buttons and symbols ensure optimum operation.

The patented occlusal bite block
Position the patient with the patented occlusal bite block. The unit automatically determines the correct tilt of the head and indicates it using corresponding symbols and colors – all you need to do is press the up and down arrows.

Stable positioning for high-quality images
Stable patient positioning prevents motion blurring. The motorized 3-point head fixation and stable handles give your patients the necessary support. At the same time the integrated temple width measurement ensures an orbit specific to each patient and thereby results in high image sharpness.
Working digitally is this easy

Sidexis 4 – this is the core of the digital workflow with Dentsply Sirona.
The software with its intuitive user interface has a very simple structure: it follows the clear structure of 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 is pure imaging efficiency, giving you 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 intuitive way. The lightbox is ideal for a comprehensive diagnosis, as it lets you compare 2D and 3D images as well as camera images and facescan data side-by-side.

Advantages at a glance

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

Pediatric panoramic images
The horizontally and vertically reduced pediatric panoramic program achieves outstanding image quality with the lowest dose.

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 diagnostic tasks while offering you more diagnostic options and gentle 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 framing
Use the framing function to select the region of interest if only a specific area of the volume is required for diagnosis. The advantage is that you can work at a lower dose.
DCS – 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 – in contrast to conventional systems there is no signal loss due to light conversion. Your advantage: incomparable definition even at very low dose.

* Only with Orthophos SL.

dentsplysirona.com/dcs-technology
Learn more about our DCS technology on our website
Better images, more accurate findings

The sharp layer 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.

Smart solution

Dynamic images that you can adjust to the situation.

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.
Experience you can rely on

Around the world, over 100,000 extraoral imaging units from Dentsply Sirona have been installed in practices. They impress their users with their high German quality standards, proverbial reliability in use, and ease of operation. Reliable after-sales support and topical product training provide additional peace of mind.

Dentsply Sirona is a pioneer in the field of imaging. We have been establishing new methods for 120 years — but only when they really do provide a simpler solution to challenges and allow you to work faster, more safely, and more economically — and all to the benefit of the patients. The ideas that our 200+ developers are pursuing are becoming products, on which you can absolutely rely in everyday practice thanks to our extensive experience. You notice it when you work with a Dentsply Sirona 3D x-ray unit. The workmanship is first-class — even Made in Germany. If you choose Dentsply Sirona, you choose a solution built on viable, sustainable products that represent a first-class technological solution not only today, but in the future time and again.

‘Made in Germany’ quality and future viability:
At the Center of Innovation in Bensheim, Germany, Dentsply Sirona products are developed for the highest demands.
Which unit is the one for you?

<table>
<thead>
<tr>
<th>Unit</th>
<th>Orthophos XG 3</th>
<th>Orthophos XG 5</th>
<th>Orthophos XG 3D ready</th>
<th>Orthophos SL 2D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target group</td>
<td>General dentistry</td>
<td>General dentistry, orthodontics</td>
<td>General dentistry, orthodontics, specialist dentistry</td>
<td>General dentistry, orthodontics, specialist dentistry</td>
</tr>
<tr>
<td>Ceph retrofit options</td>
<td>-</td>
<td>Optional cephalometric arm (left)</td>
<td>Optional cephalometric arm (right/left)</td>
<td>Optional cephalometric arm (right/left)</td>
</tr>
<tr>
<td>3D retrofit options</td>
<td>-</td>
<td>-</td>
<td>Up to an FoV 8 cm x 8 cm</td>
<td>Up to an FoV 11 cm x 10 cm</td>
</tr>
<tr>
<td>2D technology</td>
<td>Lanex (optional CSI)</td>
<td>Lanex (optional CSI)</td>
<td>CsI</td>
<td>DCS</td>
</tr>
</tbody>
</table>

Which Orthophos is right for you?

Whether personal preferences, specialization or price/performance, every dental practice has its own requirements for an X-ray unit. Here is a quick overview of which Orthophos is right for you.
Versatility has many fans

The Orthophos product range has the ideal unit for every practice. Every user finds the right functions and workflow options within the variety of units that make their individual work processes even more efficient.

Orthophos SL – the perfect partner for the orthodontic practice.

Dr. Hanna Ritter, Orthodontics, Hennef

Fit for now – fit for the future.

Dr. Magdalena Kyriasi-Schmalenberg, Orthodontics, Sinsheim

There is no going back from digital.

Dr. Dr. Peter Gebhardt, Oral and Maxillofacial Surgery, Heppenheim

The perfect 2D unit for entering the digital world of x-rays.

Dr. med. dent. Paul Rau, MSc, Edenkoben

“The entire team is excited about the Orthophos SL. Patient positioning is simple, program selection intuitive and displayed images make diagnosis easier. Cephalometric images, for example, contain outstanding accuracy of detail, contrast and sharpness and are perfectly suited for orthodontic analyses and tracings.”

“My Orthophos XG 3D ready brings me into a new dimension of diagnostics due to its outstanding image reproduction. And you can even upgrade the unit for future challenges!”

“The program variety of the Orthophos XG5 offers numerous advantages. Whether a cephalometric and panoramic program or even sinus and bite wing images, together with the digital tools, new and better diagnostic options are made available.”

“Digitalizing my imaging process was definitely the right decision and I have the right partner on my side with the Orthophos XG3. As equipped, the Orthophos provides me with the perfect unit for everyday use.”
Orthophos SL 2D

For a user-friendly, optimum workflow, the Orthophos SL 2D combines revolutionary image quality with incomparable patented positioning aids.

The Orthophos SL is the latest member of the successful Sirona 2D x-ray family. It wins points for functionality, quality and design. With the DCS sensor you have the most innovative sensor technology at your disposal, delivering to you high resolution images with a unique level of sharpness. Thanks to the SL technology, you not only reliably get images in the sharp layer, but can respond interactively within the image to special cases (lingually/buccally) - without additional imaging. This is how the Orthophos SL 2D even satisfies the wishes of those dentists who have the greatest demands regarding panoramic imaging and is a symbol of incomparable definition in every image, in combination with the stable positioning from the 3-point head fixation, stable handles and patented occlusal bite block.

Investment security is ensured: Orthophos SL 2D can be equipped with a ceph arm or upgraded to 3D with a volume of up to 11 cm x 10 cm. 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. Patients appreciate the soothing Ambient Light, which offers a choice of over 30 colors for a pleasant atmosphere in your x-ray room that fits perfectly into the look of your practice.

In combination with the pioneering Sidexis 4 software, the Orthophos SL also offers a unique variety of innovative solutions for the practice workflow.
Convenient operation

Your practice team can quickly and easily recognize the functions required on the EasyPad. A preview image appears directly after scanning. Additionally, the remote also indicates the chosen settings again before exposure.

Automatic positioning

It’s now easier than ever to position the patient – the patented occlusal bite block automatically indicates on the EasyPad when the patient is in the correct plane. Together with the light locators and 3-point head fixation, unnecessary corrective images are avoided.

Orthophos XG 3D ready

Orthophos XG 3D ready makes the ideal partner for dentists and group practices that wish to actively plan and shape their futures. With a range of programs, this unit offers you all diagnostic options. The intuitive EasyPad control panel and automatic patient positioning with the occlusal bite block ensure an efficient workflow.

Just a small step to 3D: With Orthophos XG 3D ready, the range of services can be expanded with a 3D module at any time. The benefit: additional investment security and confidence for you, just in case you i.e. want to offer implantology in your practice at a later stage.

Convenient operation

Your practice team can quickly and easily recognize the functions required on the EasyPad. A preview image appears directly after scanning. Additionally, the remote also indicates the chosen settings again before exposure.
Orthophos XG 5

Wide variety for perfect results: With additional programs, the Orthophos XG 5 offers more diagnostic options. The optional cephalometric program makes all important views available to orthodontists. In addition to the usual cephalometric programs for lateral, symmetric and carpus images, a variety of special projections are possible, such as the Clementschitsch exposures.

Simple operation and variable features

More clarity in the images – thanks to ASTRA
No black borders around metal fillings, no excessive contrast. Thanks to CSI and ASTRA, you achieve images that impress by their specific clarity, thus ensuring fast and reliable diagnosis.

Pediatric panorama
The horizontally and vertically reduced pediatric panoramic program offers outstanding image quality with the lowest dose. Ideal for practices which treat a lot of children.
The horizontally and vertically reduced pediatric panoramic program offers outstanding image quality with the lowest dose. Ideal for practices which treat a lot of children. The unit’s easy operation and seamless integration into your practice’s daily routines will save you valuable time. The high image quality and proven Sidexis software guarantee that you will come to a safe diagnosis quickly and easily.

Well equipped for everyday practice life: You can reproduce the positioning very easily, since image parameters such as the bite block height are saved together with the image data. There is a bite wing program that helps in special cases and patient situations where intraoral images cannot be used and a shorter panoramic program with reduced dose that is suitable for treating children, for example.


1 Easy to operate
Operation of the MultiPad is intuitive. Exposure parameters, for example, are selected via a patient symbol.

2 Reliable positioning
Only two light localizers are required for ideal positioning in the sharp slice. The motorized forehead and temple supports fixate the patient’s head and prevent motion blurring.

3 Very good image quality
Thanks to ASTRA, an image quality for quick and reliable diagnoses is ensured even with the standard sensor.
More solutions for your practice with X-rays from Sirona.

The Sidexis 4*, with its intuitive user interface and display of all kinds of images on a monitor – whether intraoral, 2D panoramic, or 3D – increases the efficiency of your practice and the accuracy of your diagnoses like no other software. But Sirona does not stop with the diagnosis – our solutions allow you to plan treatment for a number of different conditions and customize treatment for the individual patient. The processes remain in your practice and your patients appreciate your modern, understandable treatment methods. For satisfied patients and reliable work in your practice.

1. Scan
2. Diagnosis
3. Plan
4. Treat

More then images – real solutions

Technical properties

<table>
<thead>
<tr>
<th>Orthophos XG 3</th>
<th>Orthophos XG 5</th>
<th>Orthophos XG 3D ready</th>
<th>Orthophos SL 2D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical data</td>
<td>User interface</td>
<td>MultiPad</td>
<td>MultiPad</td>
</tr>
<tr>
<td>Year guarantee (2D/3D) on tubes and sensors</td>
<td>□</td>
<td>□</td>
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</tr>
<tr>
<td>Ceph arm (18 cm x 23 cm and 30 cm x 23 cm)</td>
<td>□</td>
<td>□</td>
<td>Left or right</td>
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<tr>
<td>Ceph unit with 2 sensors</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Quickshot</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Selectable anterior jaw shape</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Anomaly compensation</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Automatic detection of jaw width</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Retrofit options</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Automatic patient positioning:</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Occlusal bite block</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Panoramic exposure time</td>
<td>P1 Standard 14 s max</td>
<td>P1 Standard 14 s max</td>
<td>P1 Standard 14,2 s max, P1 Quickshot 9,1 s max</td>
</tr>
<tr>
<td>Radiation time</td>
<td>9,4 s Standard</td>
<td>9,4 s Standard</td>
<td>9,4 s Standard/4,7 s Quickshot</td>
</tr>
<tr>
<td>Ceph 18 cm x 23 cm</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Patient positioning</td>
<td>Standing/Seated</td>
<td>Standing/Seated</td>
<td>Standing/Seated</td>
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<td>Door width</td>
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<td>At least 66 cm for installation</td>
<td>At least 66 cm for installation</td>
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<tr>
<td>Weight</td>
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<td>Approx. 110 kg</td>
<td>Approx. 110 kg</td>
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<td>Floor stand</td>
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<tr>
<td>Wheelchair accessible</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<tr>
<td>Remote control</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<tr>
<td>CsI sensor</td>
<td>□</td>
<td>□</td>
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</tr>
</tbody>
</table>

*Available  □ Optional

Product measurements

Space requirements min. 1,280 mm x 1,411 mm
With cephal arm min. 2,155 mm x 1,411 mm

*Sirona.com/SIDEXIS4-system_requirements
Programs at a glance

This overview lists all programs and the associated scans of the Orthophos XG 3D ready. Please refer to the technical properties table for details of which of these programs are also available with the Orthophos SL 2D, Orthophos XG 5 and Orthophos XG 3. The ORTHOPHOS XG 3 also exclusively offers the bite wing program BW10 and the shorter panoramic scan P20.

<table>
<thead>
<tr>
<th>Programs</th>
<th>Orthophos XG 3</th>
<th>Orthophos XG 5</th>
<th>Orthophos XG 3D ready</th>
<th>Orthophos XG 2D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard panoramic image</td>
<td>P1, P20</td>
<td>P1, P20</td>
<td>P1, P20</td>
<td>P1, P20</td>
</tr>
<tr>
<td>Image detail of left or right-hand side</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Image detail of individual quadrants</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Image detail of upper or lower jaw</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Constant magnification</td>
<td>P1C</td>
<td>P1C</td>
<td>P1C</td>
<td>P1C</td>
</tr>
<tr>
<td>Artifact-reduced</td>
<td>P1A</td>
<td>P1A</td>
<td>P1A</td>
<td>P1A</td>
</tr>
<tr>
<td>Thick-layer images of anterior region</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sinus images</td>
<td>-</td>
<td>S1</td>
<td>S1, S2, S3, S4</td>
<td>S1, S2, S3, S4</td>
</tr>
<tr>
<td>Multilayer images of paranasal sinuses</td>
<td>-</td>
<td>M1</td>
<td>M1</td>
<td>M1</td>
</tr>
<tr>
<td>Temporomandibular joint</td>
<td>TM1.1, TM1.2</td>
<td>TM1.1, TM1.2, TM3, TM6</td>
<td>TM1.1, TM1.2, TM3, TM6, TM5</td>
<td>TM1.1, TM1.2, TM3</td>
</tr>
<tr>
<td>Bite wing exposure</td>
<td>BW10</td>
<td>BW1</td>
<td>BW1, BW2</td>
<td>BW1, BW2</td>
</tr>
<tr>
<td>Chamfer exposure</td>
<td>-</td>
<td>C1, C2, C3, C4</td>
<td>C1, C2, C3, C4</td>
<td>C1, C2, C3, C4</td>
</tr>
</tbody>
</table>

Stable floor stand (optional)

Remote control with display of image parameters (optional)

Panorama

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Standard exposure</td>
<td>With a constant image position of 125</td>
<td>With artifact reduction</td>
<td></td>
</tr>
<tr>
<td>U, L, L, Right, Individual quadrants</td>
<td>U, L</td>
<td></td>
<td></td>
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</table>

Bitewing

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<table>
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<th></th>
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</thead>
<tbody>
<tr>
<td>U, L</td>
<td>Right, Left</td>
<td></td>
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</table>

Sinus

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<th></th>
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<tbody>
<tr>
<td></td>
<td>BW3 anterior tooth region</td>
<td></td>
</tr>
</tbody>
</table>

Multislice in posterior tooth region

This overview shows all 2D programs and the related images of the ORTHOPHOS XG 3D. Differences from the Orthophos SL 2D are marked accordingly.

** Image not available with the Orthophos SL 3D
Quickshot option for all panorama programs, automatic adaptation of the orbit to the jawsize, automatic positioning with occlusal biteblock.