radiology

OPG/CBCT – OP 3D

Award winning innovations for panoramic, cephalometric and 3D imaging.

The OP 3D is designed for advanced dental imaging needs. It is a complete X-ray platform that provides easy-to-use features throughout the entire dental imaging workflow. With its versatile imaging programs and intuitive user interface, the OP 3D in its different configurations offers imaging excellence for a variety of users, ranging from general dental practitioners to orthodontists, and all the way to maxillofacial surgeons.

Your gateway to 3D.

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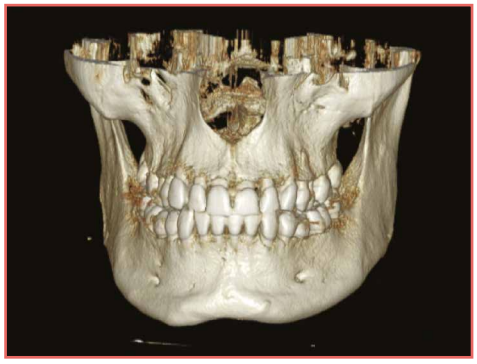
Available for panoramic, cephalometric and 3D modalities, the QUICKcompose™ feature offers a quick preview of the captured image, allowing a timely evaluation.

The standard panoramic program provides a clear definition of the dental anatomy, including TMJs – in only 9 seconds.



The four predefined FOVs of the OP 3D are based on true clinical needs and adjustable in height.

Every feature of the OP 3D is designed to increase practice efficiency. Preparing the device for a scan is fast with an easy patient positioning system and intuitive graphical user interface. The desired imaging area can be selected intuitively with the ORTHOselect user interface. Selections can be made as individual teeth, an entire upper or lower jaw, or TMJ. The optimum field-of-view (FOV) is set automatically based on the selection. With the ORTHOfocus feature, the optimum panoramic image layer is automatically obtained enabling forgiving patient positioning. The result is consistent image quality every time.

If a panoramic image has been taken first, the OP 3D is already at the correct height for a cephalometric image. A dedicated X-ray source for the cephalometric imaging, combined with advanced sensor technology, enables a high throughput and optimum imaging parameters resulting in clinically great results with minimal radiation exposure for the patient. Due to the minimized needs for adjustments, workflows are easy and fast.

The OP 3D also has four predefined 3D volume diameters plus the possibility to customize the volume size. FOV 5x ⌀ 5 with its endo resolution is optimized for single-tooth and localized diagnostics. FOV 6x ⌀ 9 offers the capability of scanning either the lower or upper jaw, whereas FOV 9x ⌀ 11 combines both. With the largest FOV 9x ⌀ 14, TMJs can be conducted.

Features & benefits:

- ORTHOselect™ for optimized workflow
- Customized FOVs with SMARTVIEW™ 2.0
- ORTHOfocus™ for sharp images
- QUICKcompose™ feature for fast image review
- Clearer images with MAR technology
- Four versatile fields-of-view (FOV)
- Sustainable green solution

Specifications:

Focal spot	0.5 mm IEC 336
Tube voltage	60 – 95 kV
Tube current	3.2 – 16 mA

Panoramic

Image detector	CMOS
Sensor pixel size	99 µm
Image pixel size	99 µm
Scan time	9 s
Image field height	147 mm

3D

Image detector	CMOS
Image voxel size	80 µm – 400 µm
Scan time	10 – 20 s
Exposure time x-ray	1.2 – 9 s, pulsed
Image volume sizes	(H x W) 5 x 5, 6 x 9, 9 x 11, 9 x 14 cm
DICOM support	Yes

KAVO
Dental Excellence

ISO 13485 Quality Certified

For further information and a demonstration, contact **Inline Systems at info@inline.com.au**

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IMAGING TECHNOLOGY