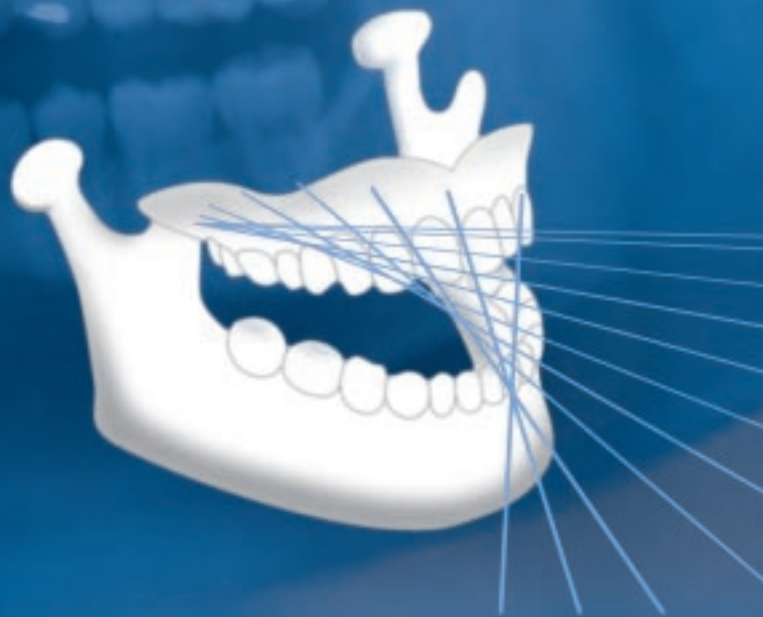


Veraviewepocs

conventional



Dental diagnosis at its best

Innovative Product from
J. MORITA MFG. CORP.
Kyoto Japan



MORITA
J. MORITA MFG. CORP.



Dental diagnosis has never been faster, safer – or better

Meet Veraviewepocs, the high-speed, panoramic X-ray apparatus representing the new state of the art in dental diagnosis.

Veraviewepocs combines speed with protection to produce brilliant, contrast-rich images in just 8.2 seconds exposure time, or half the time taken by conventional panoramic X-ray units. And, just as the patient and the system operator benefit from the low radiation dose, the dentist, too, can take advantage of simple system operation, supported by the innovative auto exposure and auto focus features, and the liquid-crystal display. What is more, since Veraviewepocs uses an advanced digital CCD sensor to capture images, there is no film to develop or dispose of, which makes a definite contribution to protection of the environment.

It's this digital capability that gives Veraviewepocs its superior operating speed and safety, leaving conventional X-ray units well behind when it comes to delivering genuine value.





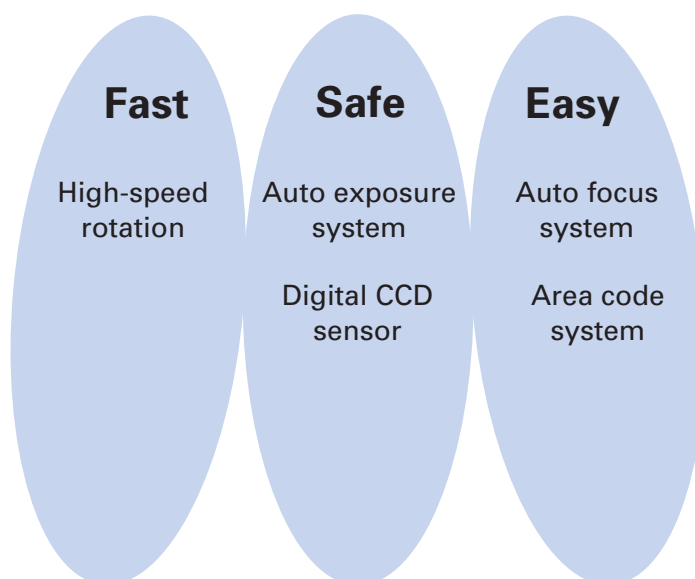
**Optimum protection for
your patient – 8.2 seconds
high-speed rotation**

Ultra-low X-ray radiation!

The film version: *1/2 X-ray radiation

The digital version: *1/4 X-ray radiation

Design concept



Veraviewepo

AE (Auto Exposure)

Optimal image contrast and film density

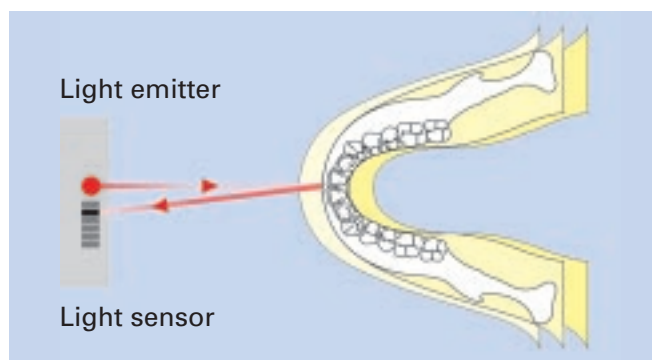
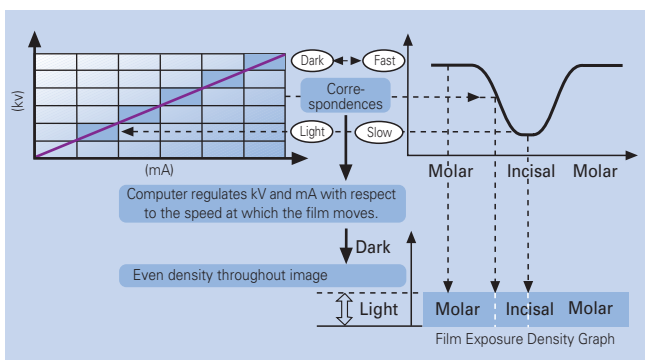
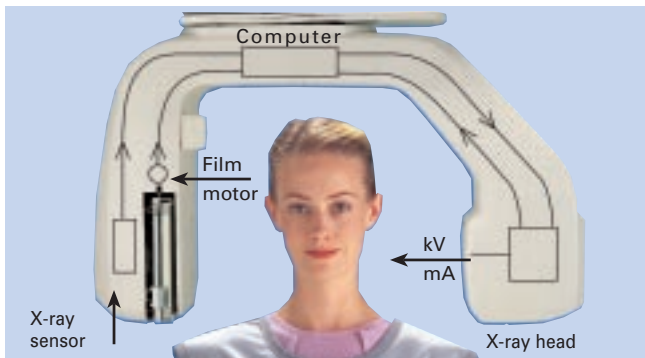
With the auto exposure feature, X-rays passing through the patient are detected by a sensor. The computer then uses this information to control both the voltage and current simultaneously with respect to the speed of the film's movement. This ensures high image quality with a consistent level of density for every type of patient – from small children to large adults.

To make a panoramic image, the film must move three times as fast as when exposing the molar region compared to the incisal region. This means that density must be regulated to produce an image with optimal contrast and consistent density. Morita's AVS auto exposure system handles this through computerized coordination of tube voltage, tube current, and speed of the film's movement.

AF (Auto Focus)

Easy and accurate positioning

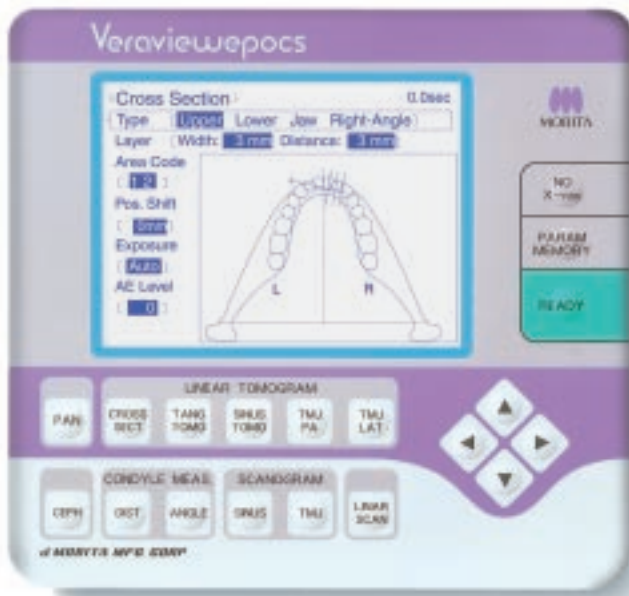
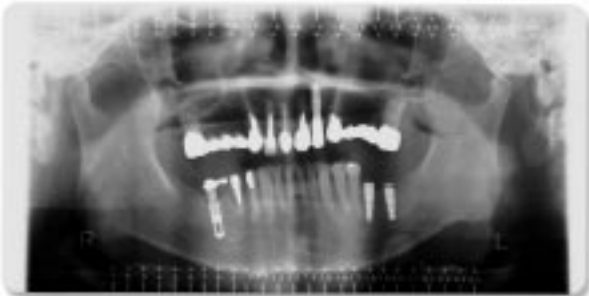
The auto focus mode ensures extremely precise patient positioning – automatically. A light sensor measures the distance to the patient's incisors. Next, the unit's C-arm assembly moves to the optimal image layer position; the patient need not move, and there's no guesswork involved. The result: consistent images with excellent reproducibility.



The AVS (3 parameters) creates the perfect auto exposure. Graph of the kV and mA combinations that result in optimal contrast and film density. Graph showing the change in the speed of the film's movement.

A photo-sensitive semiconductor sensor measures the distance to the patient with an accuracy of 0.2 mm (auto focus) for a high degree of exposure reproducibility.

Top performance, easy operation



Area code system:

Easy to set up the device and patient positioning for tomograms

Multiple tomograms can be made of a selected area using the area code system and the LCD operation panel. You will be thrilled with how easy it is.

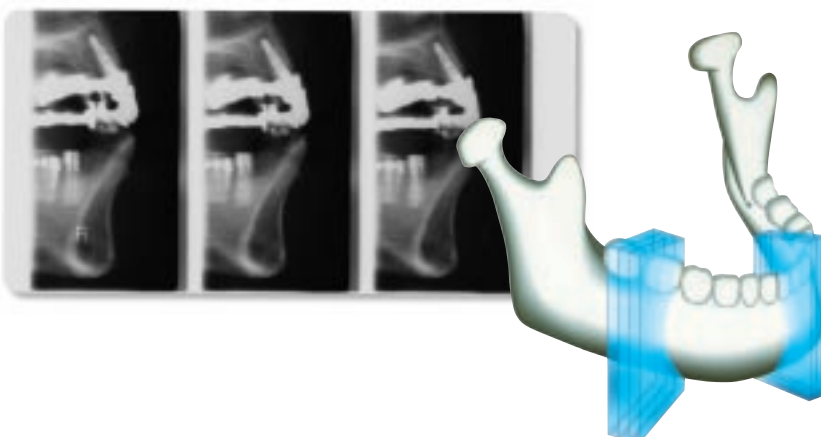
First follow the standard panoramic program using the cassette with the area code gauge.

Then select the area code number where the tomograms should be taken by viewing the panoramic picture. Set the LCD operation panel for the tomogram program and then enter the area code number.

Position the patient again by using the auto focus function, and hold down the emission button to automatically focus on the selected tomogram area.

This eliminates the need for a CT scan, which exposes the patient to considerable X-radiation!

Patient positioning for tomograms follows the same procedure as that for panorama exposures. No need to force the patient into an unnatural position!

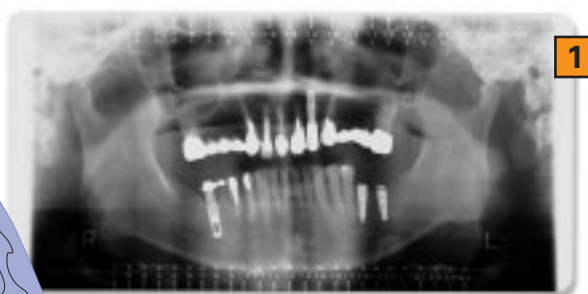
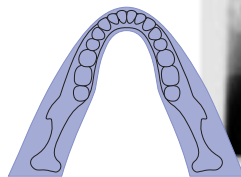


Brilliant images for safer diagnosis – better case documentation



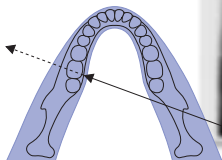
Standard Panoramic

The thick/specially-designed image layer accommodates all the possible variations of dental arch shapes and sizes to produce extremely clear and sharp images.



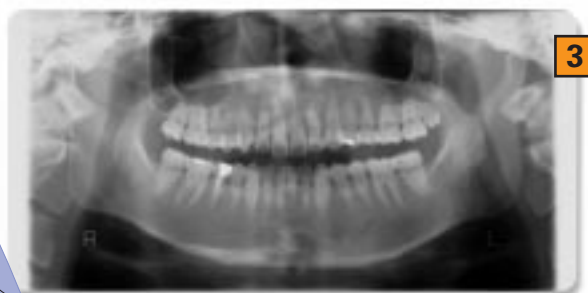
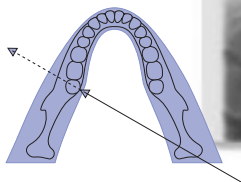
Orthoradial Panoramic

The perpendicular projection of x-rays reduces the amount of overlapping with emphasis on the maxillary bicuspid region.



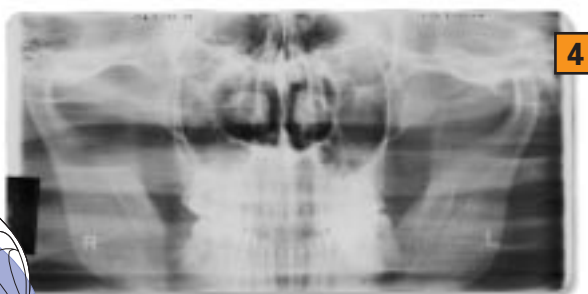
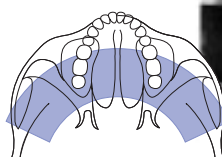
Shadow Reduction Panoramic

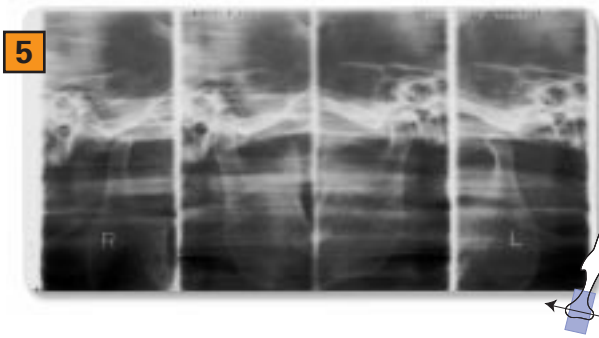
Reduces shadows produced by the mandibular ramus.



Posterior Maxillary Sinus Panoramic

An image of the posterior area of the maxillary sinus.

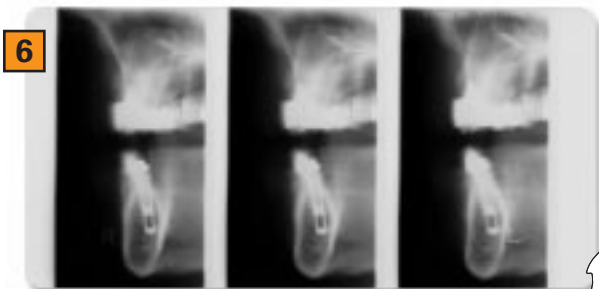
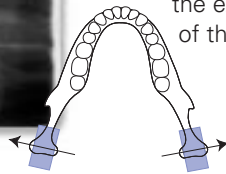




5

Quadruple exposure of the temporomandibular joint

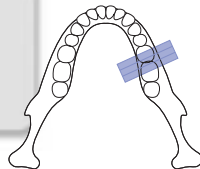
Four exposures on one film! In each case one exposure from the left and right heads of the condyle, open and closed, for the exact display of the anatomical form and relative position of the heads of the condyle.



6

Cross-Section Tomograms

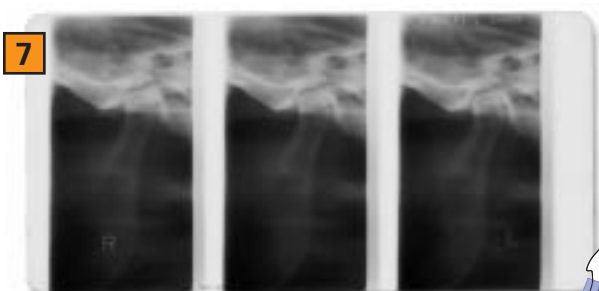
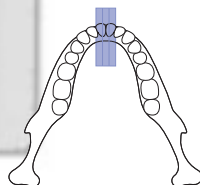
Cross section of the jaw is effective for observation of the mandibular canal when doing implant procedures.



6

Cross-Section Tomograms

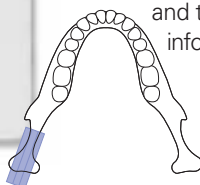
Cross section of the anterior dentition is effective for observation of implant procedures.



7

TMJ Lateral and PA Tomograms

These images are useful in determining the shape and relative position of the anatomic structures of the temporomandibular joint. The distance between the condylar heads is measured and the optimum angle for the x-ray beam is determined. This information is then used to produce extremely accurate images.



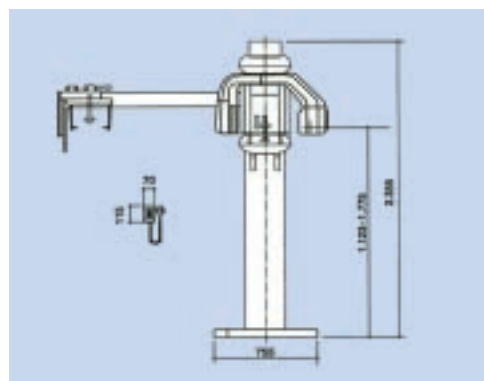
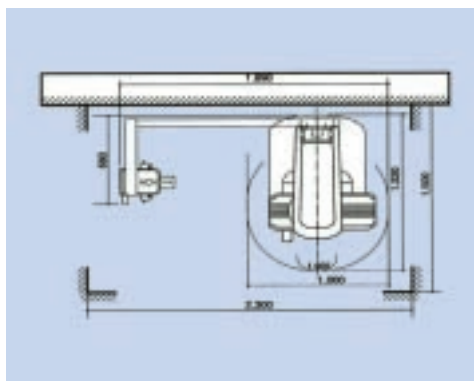
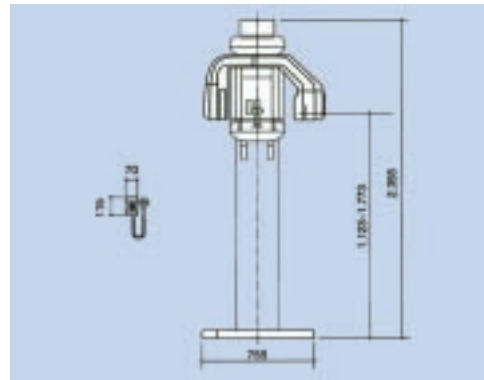
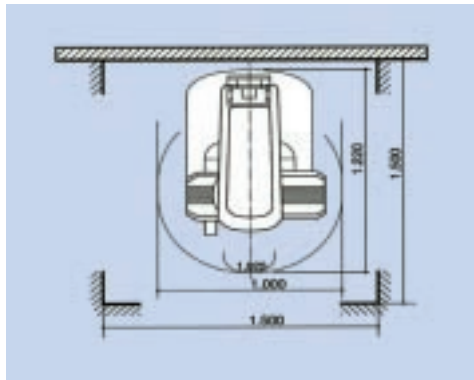
Veraviewepocs

A closer look at the state of the art

Model	Veraviewepocs LT	Veraviewepocs LTCP	Veraviewepocs 5	Veraviewepocs 5CP
Imaging media	Film	Film	Film	Film
1 Standard Panoramic	Y	Y	Y	Y
2 Orthoradial Panoramic	Y	Y		
3 Shadow Reduction Panoramic	Y	Y		
Pedodontic Panoramic	Y	Y	Y	Y
Single-Side Panoramic	Y	Y		
Enlarged Panoramic	Y	Y	Y	Y
4 Maxillary Sinus Panoramic	Y	Y	Y	Y
5 TMJ Quadruple Exposure	Y	Y	Y	Y
TMJ P/A Scanogram	Y	Y		
Chephalometric Lateral		Y		Y
Chephalometric PA		Y		Y
6 Cross-Section Tomogram	Y	Y		
Tangential Tomogram	Y	Y		
Maxillary Sinus Tomogram	Y	Y		
TMJ P/A Tomogram	Y	Y		
7 TMJ Lateral Tomogram	Y	Y		
Maxillary Sinus Stereo Scanogram	Y	Y		
TMJ Condylar Measurement	Y	Y		
Facial Skeleton Linear Scans	Y	Y		
Method of Tomogram	Linear	Linear	N/A	N/A
X-ray Beam of Tomogram	Wide Beam	Wide Beam	N/A	N/A
Patient Positioning for Tomogram	Area Code	Area Code	N/A	N/A
Magnification Ratio for Tomogram	1.7	1.7	N/A	N/A
Slicing Distance	2-9 mm (1-mm step)	2-9 mm (1-mm step)	N/A	N/A
Thickness of Layer	2-9 mm (1-mm step)	2-9 mm (1-mm step)	N/A	N/A
Auto Focus System	Y	Y	Y	Y
Auto Exposure System	Y	Y	Y	Y
Chephalometric Upgrade	Y	N/A	Y	N/A
LCD Display	Large Display	Large Display		
Digital Upgrade			Y	Y (only panorama)
Panorama Exposure Time	8.2 sec.	8.2 sec.	8.2 sec.	8.2 sec.



Model	X550	Panorama	
Type	CE	Film size	15 cm x 30 cm
Input voltage	AC 230 V, 50/60 Hz single phase, permanent installation	Intensifying screen	Fuji Photo Film "HG-H2"
Fuse at the distribution panel	16 A, 230 V slow	Dimension	1,000 x 1,220 x 2,355 mm (W x D x H)
Rated input amperes	max. 8 A	Weight	Approximately 184 kg
Operating tube potential	60–80 kV (1-kV step, 21 steps)	Cephalometric	
Operating tube current	1–10 mA (1-mA step)	Exposure time	0.3–4.0 sec. (0.1-sec. step)
Effective focal spot	0.5 mm x 0.5 mm	Intensifying screen	Kodak Lanex REGULAR
Total filtration	2.5 mm Al	Film size	18 x 24 cm
Patient positioning	Auto focus positioning system using infrared light sensor	Dimension	1,890 x 1,220 x 2,355 mm (W x D x H)
Light beam	Image layer, Frankfurt plane, mid-sagittal plane	Weight	Approximately 221 kg





Innovation you can trust

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