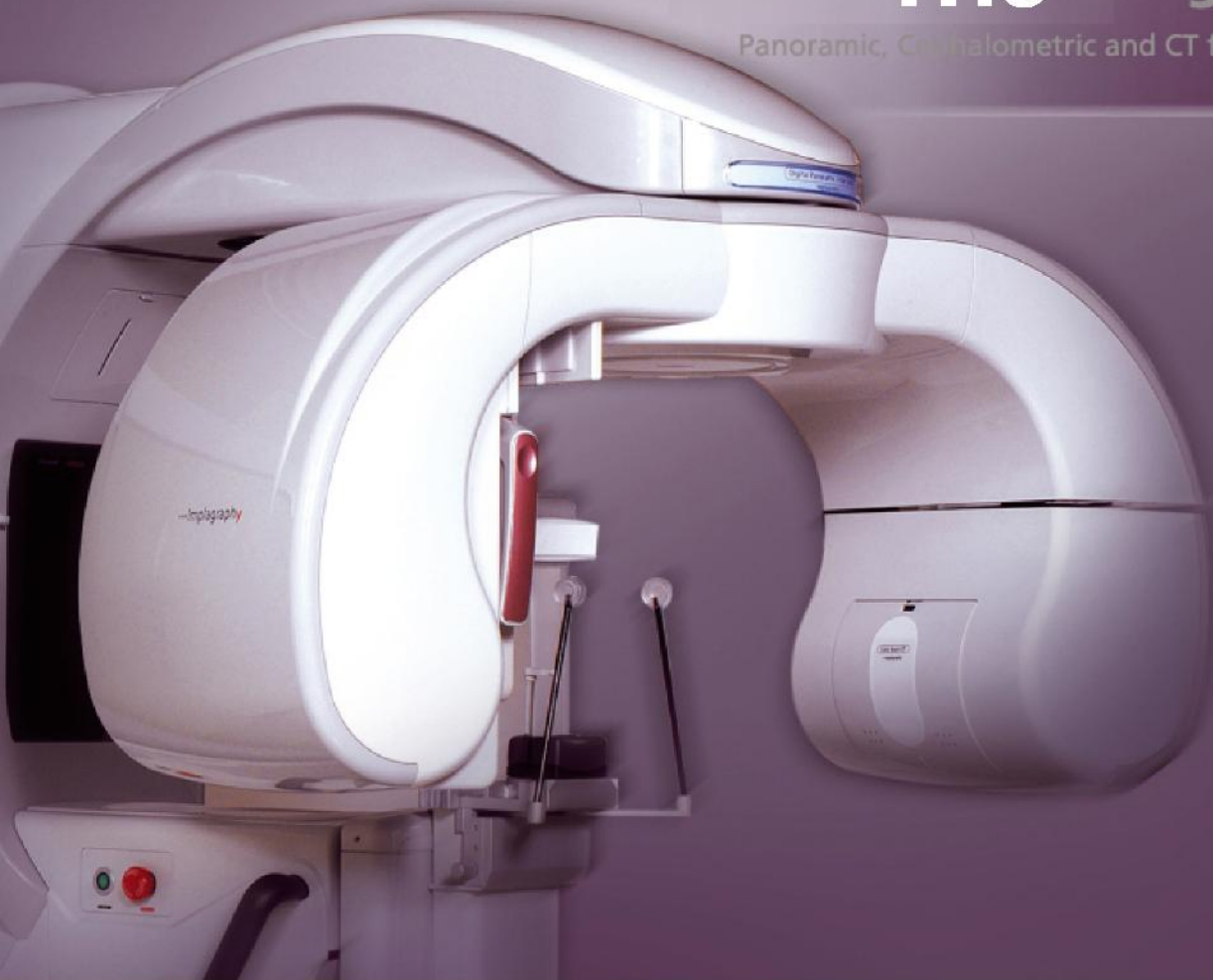


picasso trio

Trio ... 3-in-1 unit

Panoramic, Cephalometric and CT functions in one unit...



Revolutionary Dental Imaging System



DIC

Implagraphy ... World Standard for CT of Next Generation

CBCT with Flat Panel Detector
Customized system for Implant surgery



- FOV(Field Of View) of Implagraphy is customized for implant surgery (FOV : 12*7, 8*5)
- Slicing width is Min. 0.1mm in any direction
- Headrests & Positioning Laser Beams for accurate patient positioning
- Motorized positioning device for highly accurate positioning
- Minimized dosage for Patient's safety
- CT with Flat Panel Detector
Images produced with Flat Panel Detector are clearer than with II CCD (Image Intensifier CCD)
- Improved images with LDCP Logic Circuit
New technology that eliminates noise, resulting in higher resolution
- Compact Design
Implagraphy requires the same amount of space as dental panoramic X-ray systems in general
- DICOM 3.0 Format compatible

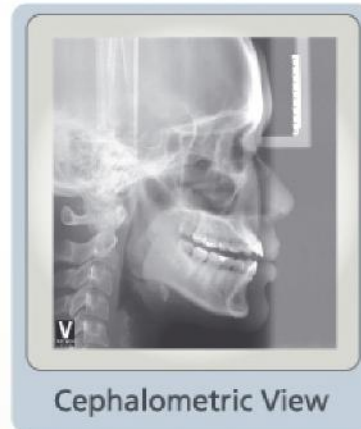
Implagraphy ...



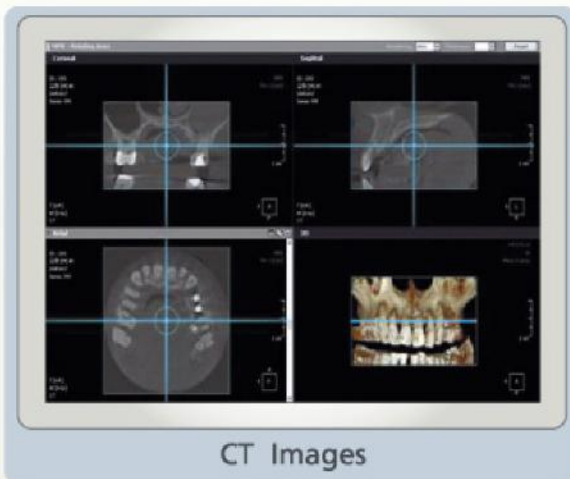
Ideal system for dentists... covers panoramic, cephalometric and CT functions in one system



Panoramic View



Cephalometric View



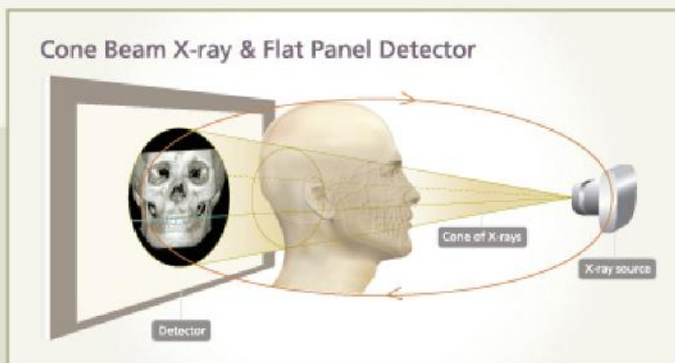
CT Images

Coronal, Sagittal, Axial planes and 3D volume rendered images are displayed automatically in initial MPR mode.

All necessary anatomical information can be obtained with combination of all these projections.

3D volume rendered image
Provides accurate details of the anatomic structures for oral and maxillofacial surgical procedures.

Coronal	Sagittal
Axial	3D



Acquire exact and detailed diagnostic information with low radiation doses.

Without Dental CT, YOU will not be able to...

Observe detailed anatomical structure.

Avoid damage to sensitive structure such as nerves in the process of implant surgery.

Check impacted teeth positions accurately.

Plan pre-implant surgery effectively.

Reduce surgery time as a result of more accurate diagnosis.

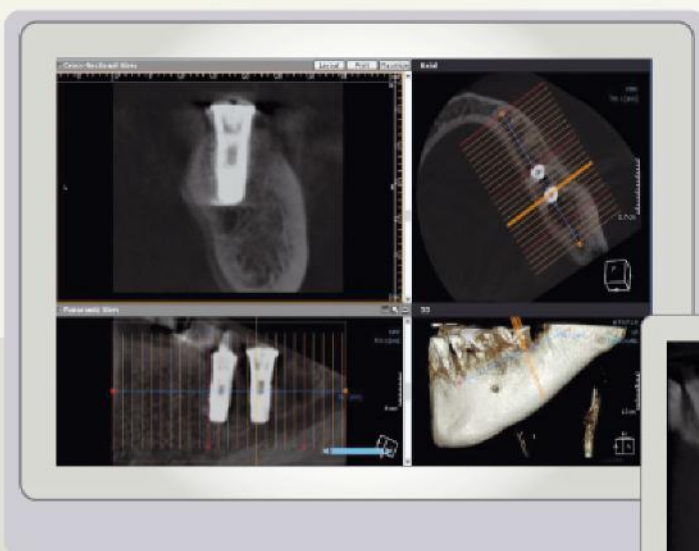
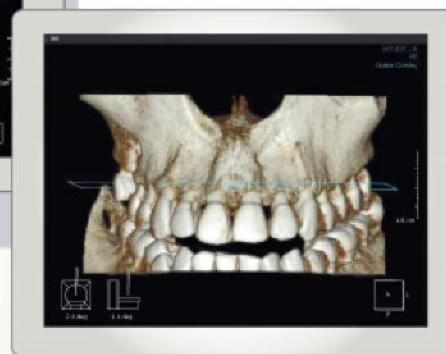
Get patient's consent of your treatment plan in ease.



Observation of detailed anatomical structure

MPR allows viewing of sliced images (Min. 0.1mm) from various directions and angles.

Allows checking and rotating of 3D structures on 3D image capture screen.



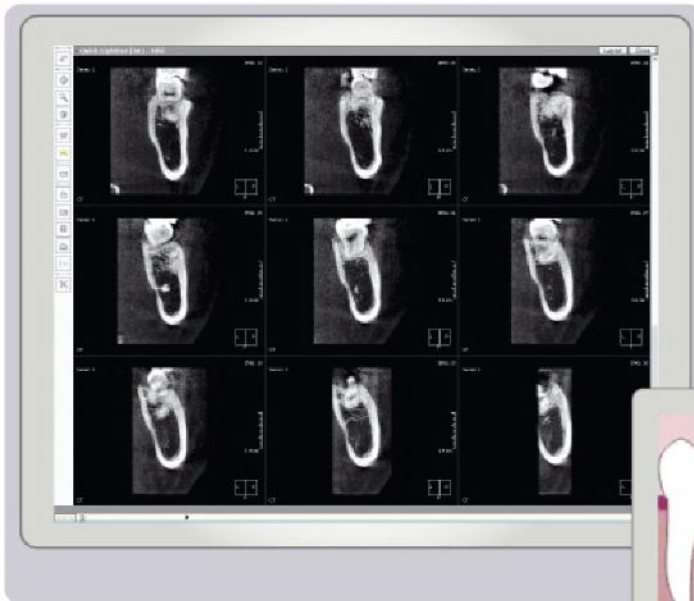
Avoiding damage to sensitive structure

The alveolar nerve is at significant risk during all stages of surgery.

Therefore, extra care must be taken during implant surgery to avoid damage to nerves.

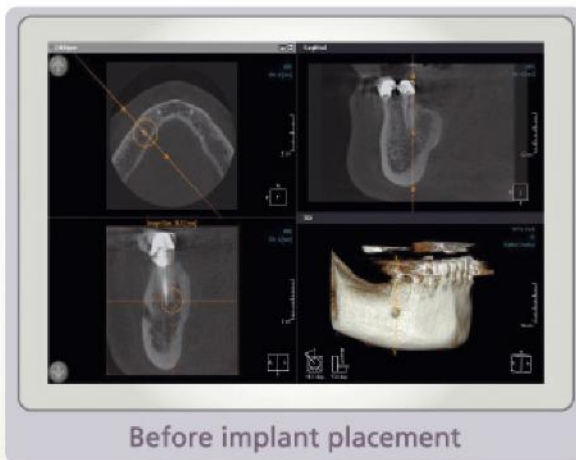
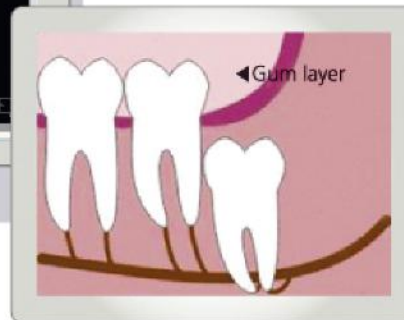
Viewing the cross-sectional image allows confirmation of anatomical structure & actual position.



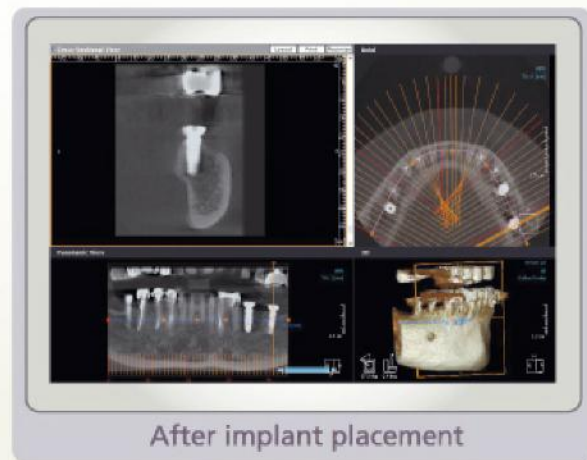


Checking of impacted teeth positions accurately

Impacted tooth is shown to be in contact with inferior alveolar canal. But cross-sectional image from CT clearly shows it is separated from the inferior alveolar canal.



Before implant placement



After implant placement

Planning pre-implant surgery effectively

Dentists and Specialists can study their cases repeatedly and modify the virtual surgical implant placement until they are fully satisfied with the plan.

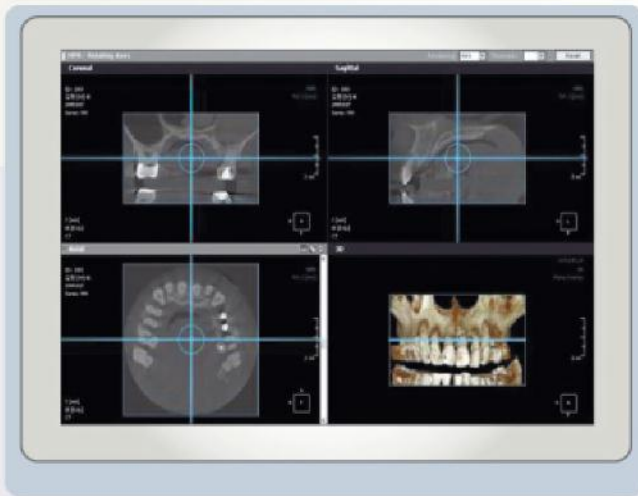
Reducing surgery time

Pre-verified surgery plan through implant simulation with accurate anatomical information of oral cavity and maxillofacial regions creates a higher level of confidence in surgery.

Getting patient's consent of your plan in ease

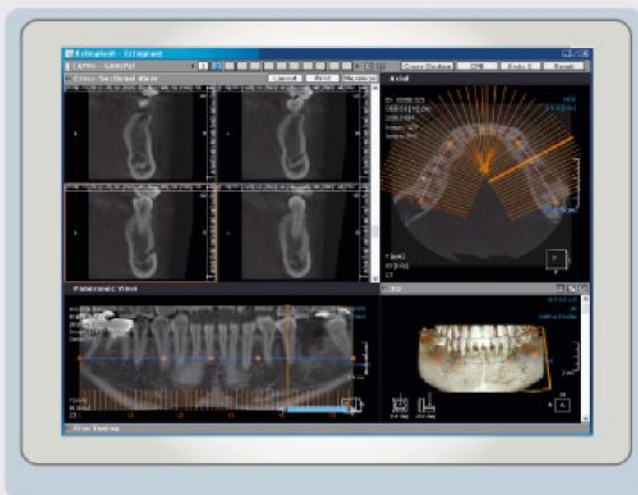
Presenting implant simulation with 3D images provides easier understanding of information for patients and improves patient compliance.

EzImplant - Specialized Informative tools for



MPR(Multi-Planar Reconstruction)

The images can be confirmed through viewing the slices from the different angles. Furthermore, by adjusting a single planar image, the other 3 images will show the corresponding changes.



Cross-Sectional View

Cross-Sectional View is the most essential function of CT.

Slicing (Min. 0.1mm width) can be done from any direction.

It is possible to make a cross-sectional path on any MPR window including 3D image.



3D Image

Verification of intra oral structure by 3D rotation and fine tuning.

All the CT images can be turned and rotated in any angle.

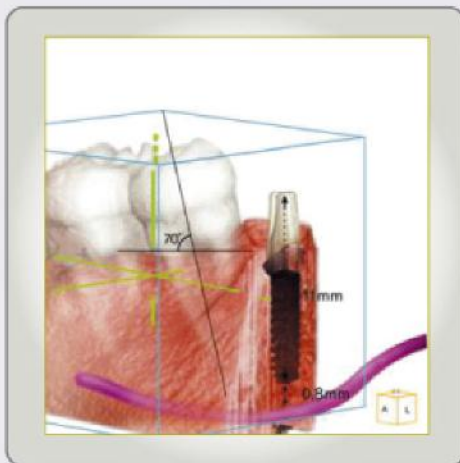
Able to check on both structure and soft tissues.

3D volume rendered image is very effective for patients' clear understanding.

appliance of CT image

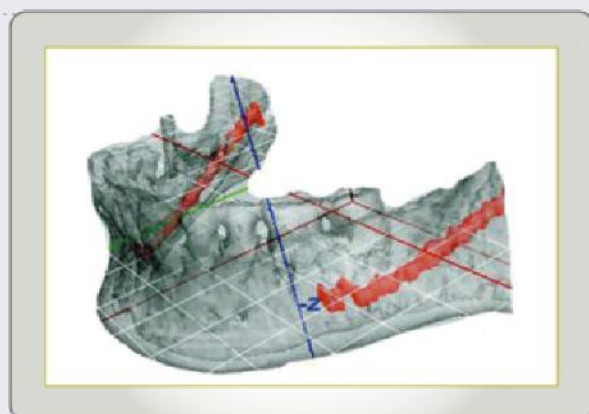


Measuring bone density profile



3D implant simulation (Option)

VIRTUAL IMPLANT SURGERY PLANNING is useful for patients' understanding and is essential for planning implant surgery.



Neural canal coloring (Option)

Possible to make pre-planning of surgery without nerve damage.

Very useful function for successful treatment & practicing safe surgery.

Sinus Bone Graft (Option)

Measurement of bone quantity for sinus bone grafting.

Specifications	
X-ray beam	Cone Beam
Detector	Flat Panel Detector
Gray Scale	4096(12bit)
Scan time	24s(Normal Mode)
Patient Positioning	Standing
FOV(Field of View)	12*7 8*5
Reconstruction Time	First : Less than 2 min Second : Real time
Tube Voltage	40 ~ 90 kVp
Tube Current	2 ~ 10 mA
Focal Spot	0.4 mm
Exposure time for Panorama	13 sec
Exposure time for Cephalometric	12 sec
Sensor for Panoramic & Cephalometric	Digital Multi-Linear Sensor

※ The specifications are subject to change without any prior notice.

Dimensions

(Installation space is needed only same as panoramic X-ray)



DIC

Dental CT Series

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