Papaya 3D | Papaya 3D Premium

GENORAY

PAPAYA 3D

Combination Dental X-ray Imaging System

The versatile imaging capability provides the user with accurate information for different planning procedures.

- ⌃ Multi-FOV Selection from 4x5 - 16x14
- ⌃ 7.7 sec Fast Scan for 3D image
- ⌃ 3 Dedicated sensor for each mode
- ⌃ 3-in-1 machine - Pano+CT+Ceph
- ⌃ Safety, stability, durability

Multi-FOV Selection

Multi-F.O.V. selection enables accurate scanning whilst keeping dose levels to a minimum.

Φ 4x5	Φ 7x7	Φ 8x8	Φ 16x8	Φ 16x14

Endo	Teeth		Jaw	Face
Endodontic	High Resolution	High Definition	Normal Resolution	Normal Resolution
75 μm	100 μm	150 μm	200 μm	200 μm
Endo mode shows high definition images	High contrast images of upper / lower jaw enable accurate diagnosis.		Provides an image of the full arch.	full arch including relevant bone areas

Φ 4x5

Φ 8x8

Φ 16x8

Φ 16x14

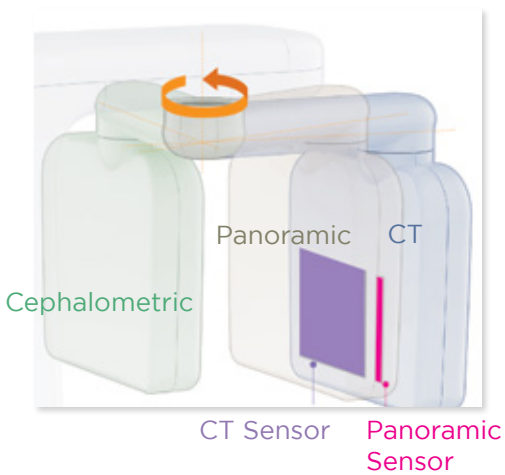# High Resolution Computed Tomography Technology

Clearly defined images in three dimensions provide users with accurate diagnostic information
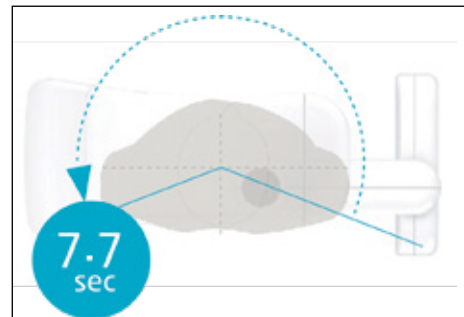
3 in 1 machine - Pano + CT + Ceph

Automated Sensor Switching & 3 Dedicated Sensor
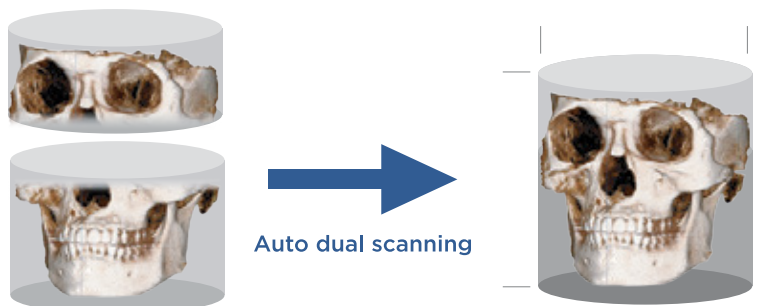

Auto -Swing

Cephalometric

Panoramic   CT

CT Sensor   Panoramic Sensor

Fast scanning mode

Scanning times of as low as 7.7 seconds reduce dose, motion artifacts and image distortion.

7.7 sec

Auto dual scanning CT technology

The wide high definition images can be enhanced by auto dual sanning technology.
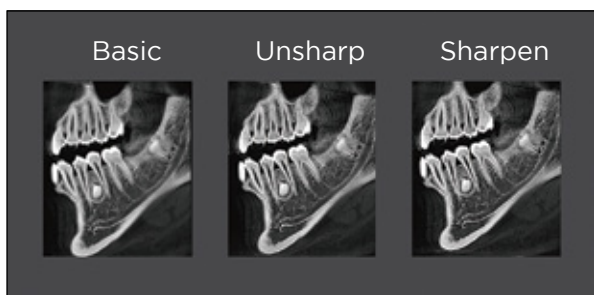
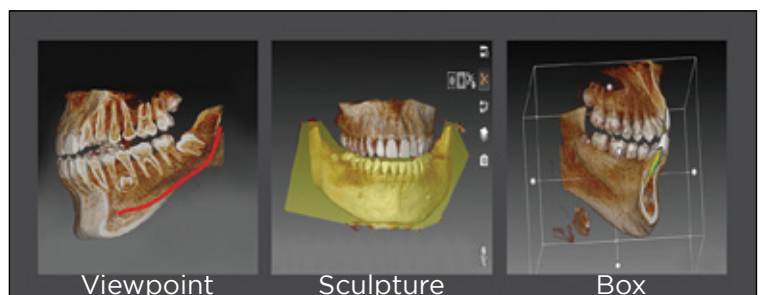

Auto dual scanning

Theia NEW Software

All the information you need in a glance provided by the thumbnail layout.

Quick access to the viewer and taking images.
Real-time image processing technology.

Multi Focus

Basic   Unsharp   Sharpen

Real-time image processing available

Clipping

Viewpoint   Sculpture   Box

Excellent cross-sectional view in the desired direction by the user with high Volume Render Quality
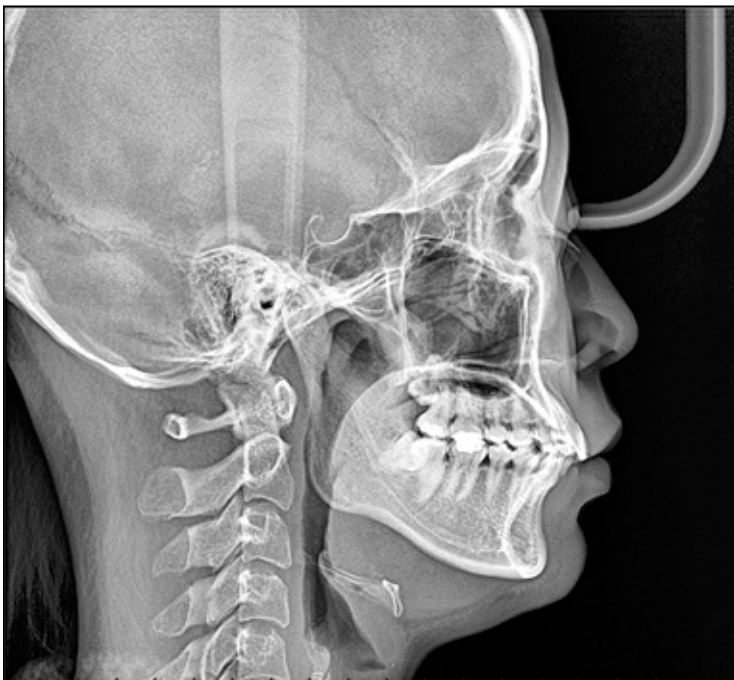
4

Improved image processing

SMARF™ (Smart Metal Artifact Reduction Function) minimizes the effect of metal artifacts caused by prosthetics to prevent image degradation.
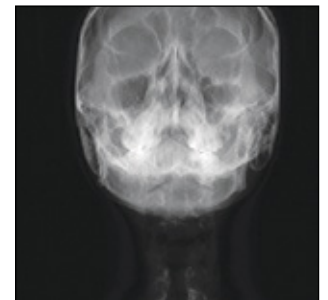

Cephalometric

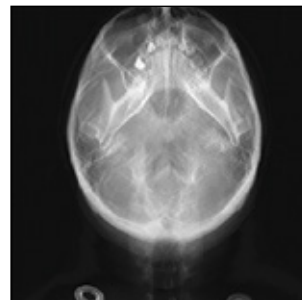Advaned Solution For Orthodontic Diagnosis


Lateral

AP

SMV

Water View

Carpus

3D CT

PAPAYA 3D Technical Specification

Exposure Time	Panoramic	9 ~ 17 sec
	Cephalometric	-
	CT	7.7/14.5 sec
Voxel Size	75~400 µm	
Focal Spot	0.5mm	
Target Angle	5°	
Tube Voltage	60 ~ 90kV	
Tube Current	4~12 mA	
Gray Scale	14 bit	

Sensor

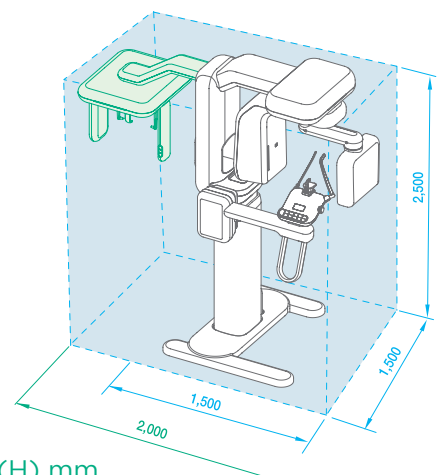| Exposure Time	CT	Panoramic	Cephalometric
Pixel Pitch	100 x 100 µm	75 x 75 µm	75 x 75 µm
Active Area	130.2 x 128 mm	152 x 6.5 mm	228 x 6.5 mm

Dimensions
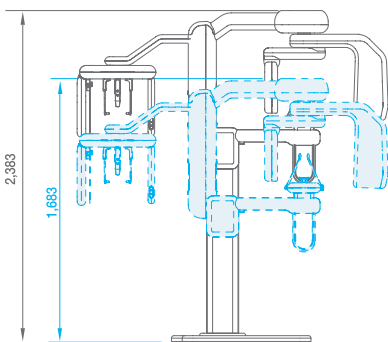
PAPAYA 3D
1,203(W) x 1,131(D) x 2,383(H) mm
145 kg
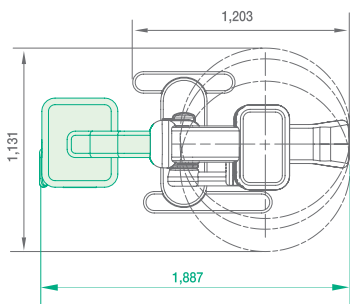
PAPAYA 3D plus
1,887(W) x 1,131(D) x 2,383(H) mm
160 kg

GENORAY

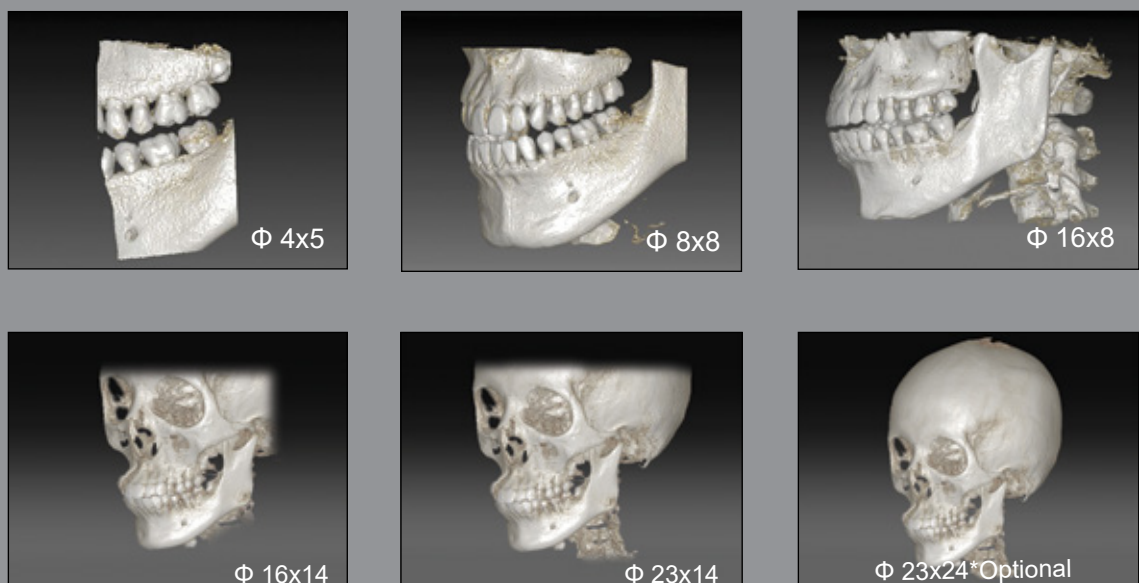CBCT, Panoramic, Cephalometric, Model Scanning
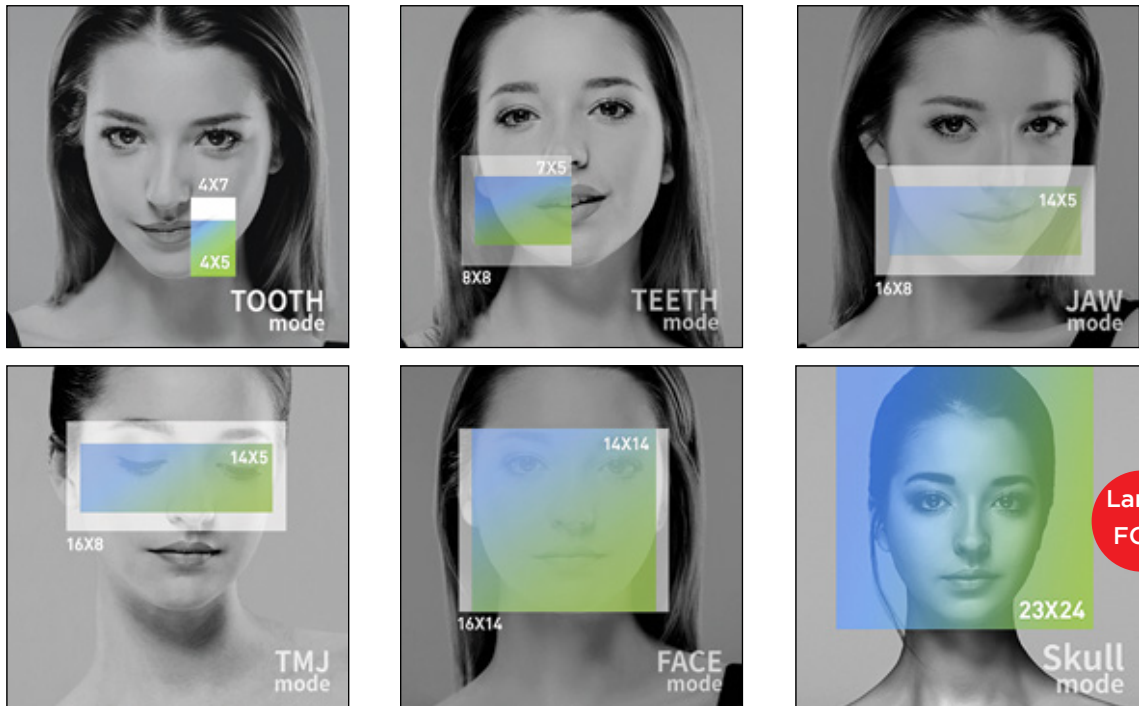
PAPAYA 3D Premium

4-in-1 CBCT Machine

3D CBCT

Free F.O.V & Dose Reduction:
Provides various F.O.V sizes and resolutions for all diagnostic needs.
Produces optimized images with minimal radiation exposure.

TOOTH mode — 4X7 / 4X5

TEETH mode — 7X5 / 8X8

JAW mode — 14X5 / 16X8

TMJ mode — 14X5 / 16X8

FACE mode — 14X14 / 16X14

Skull mode — 23X24 — Large FOV

Φ 4x5

Φ 8x8

Φ 16x8

Φ 16x14

Φ 23x14

Φ 23x24*Optional
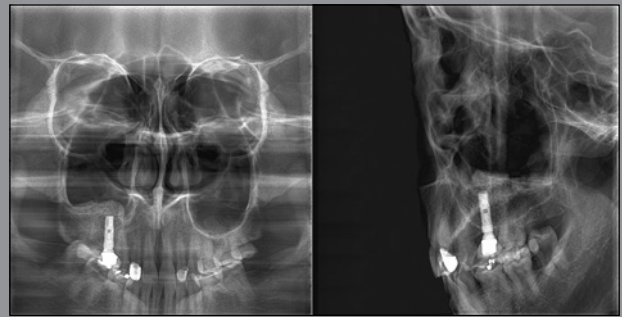
Panoramic

Multi Focus
Helps acquire the best optimized image from the multiple panoramic images acquired

Multiple Exposure Modes for the Panoramic

- Standard panoramic
- Orthogonal panoramic
- Bitewing panoramic
- TMJ PA double
- TMJ LAT-PA double
- TMJ lateral double
- TMJ LAT-PA
- Sinus lateral and sinus PA
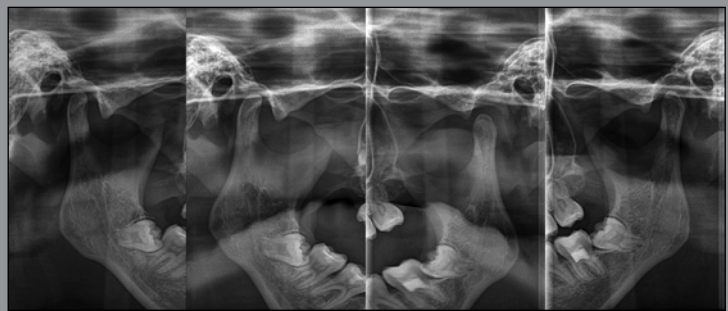- Child panoramic
- Segmented view

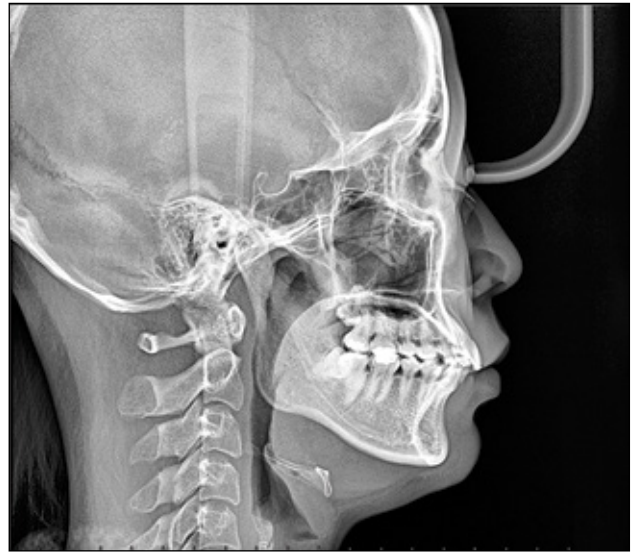Standard Panoramic

Sinus PA / Sinus Lateral Midsagittal

Bitewing

TMJ (Lateral Double)

Ultra fast mode (2 sec)

Normal mode (8 sec)

Various Radiation Exposures

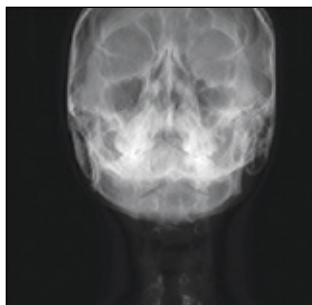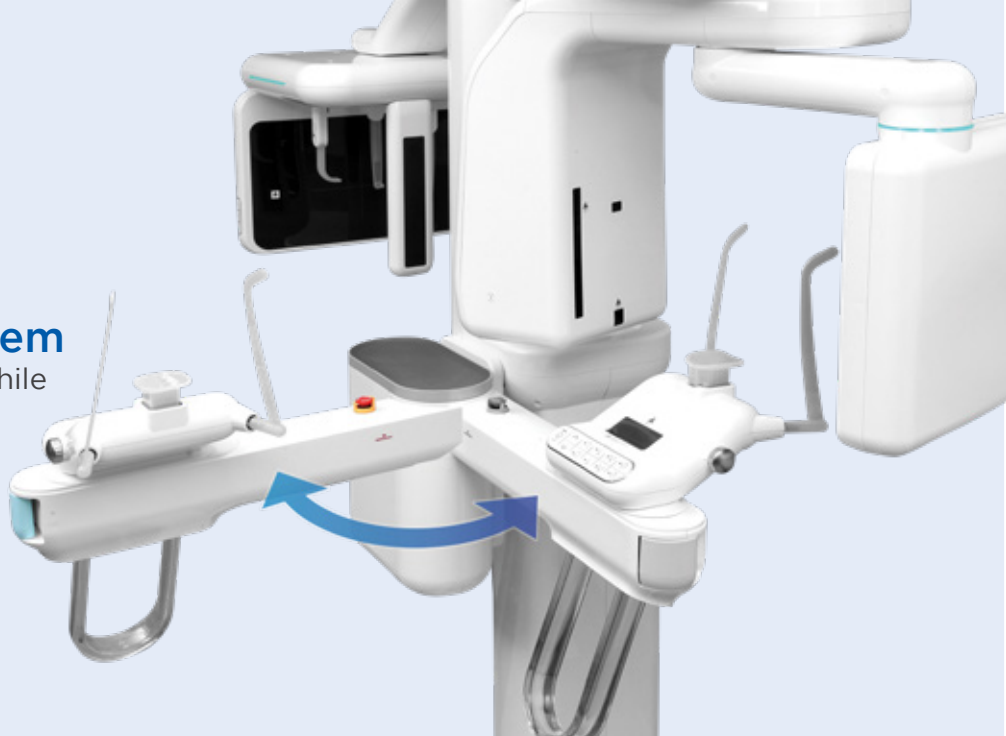12 sec
HD

8 sec
Normal

4 sec
Fast

2 sec
Ultra fast

Multiple Exposure Modes for Cephalometric
Lateral, AP, PA, Water's view, Submento vertex and Carpus

Foldable Chinrest System
Convenient patient positioning while saving room space

Easy access for disabled patients

Chair *Optional
Minimizes the patient's movements to help reduce patient's motion artifacts

One-Shot Type *Optional
0.5 sec Fast Scanning

One-Shot Cephalometric system provides distortion-free images with minimal motion artifacts
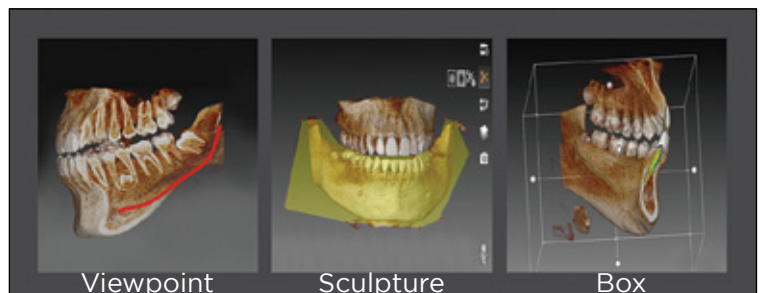
Theia NEW Software

All the information you need in a glance provided by the thumbnail layout.

Quick access to the viewer and taking images.
Real-time image processing technology.

Multi Focus

| Basic | Unsharp | Sharpen |

Real-time image processing available

Clipping

| Viewpoint | Sculpture | Box |
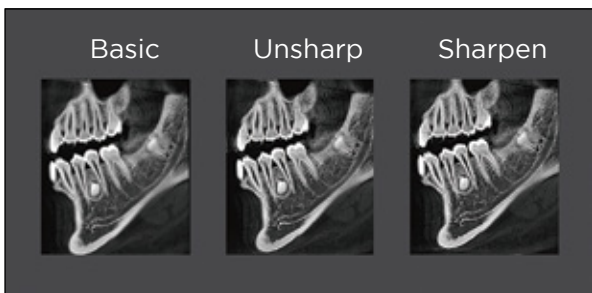
Excellent cross-sectional view in the desired direction by the user with high Volume Render Quality

3D Volume Rendering
Various volume rendering options such as, X-Ray, MIP etc provide 3D image visualization

MPR (Multi-Planar Formatting)
MPR mode provides three plain view (axial, coronal and sagittal) on one screen for focused area diagnosis

Curved MPR
Possible to reconstruct the sectional images which is via any curves from Panoramic, Cross-sectional, Longitudinal

Dental Reformatting
Using panoramic, cross-sectional and longitudinal 2D view, you can plan your 'perfect' implant positioning

Image Color-mapping
Color mapping increases the visibility of lesions

Measuring tools
Distance, Angle, Profile and arrow provides easy to use measuring tools.

Implant planning
Multiple layout support and nerve implementation enables accurate implant planning

Complete Implant Library
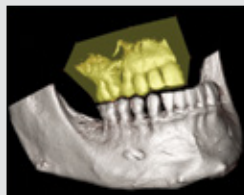
Support for DICOM 3.0

Improved image processing
SMARF™ (Smart Metal Artifact Reduction Function) minimizes the effect of metal artifacts caused by prosthetics to prevent image degradation.
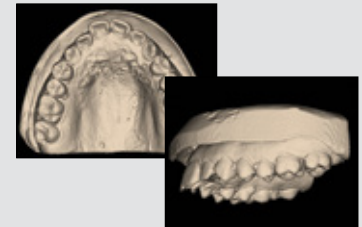

STL Export
Enables 3D printer and CAD/CAM to be used by converting 3D images to STL data.
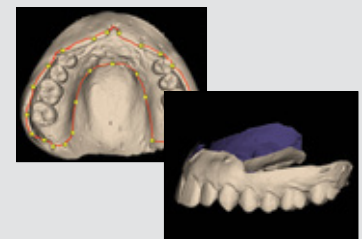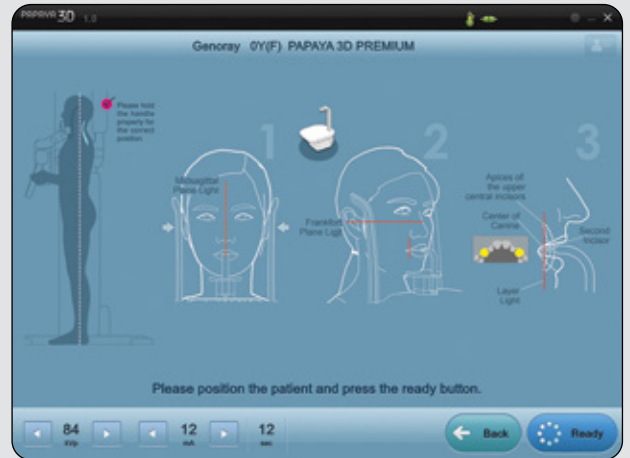

Patient Scan

Stone Model Scan

Impression Model Scan

PAPAYA 3D Premium Operation Software
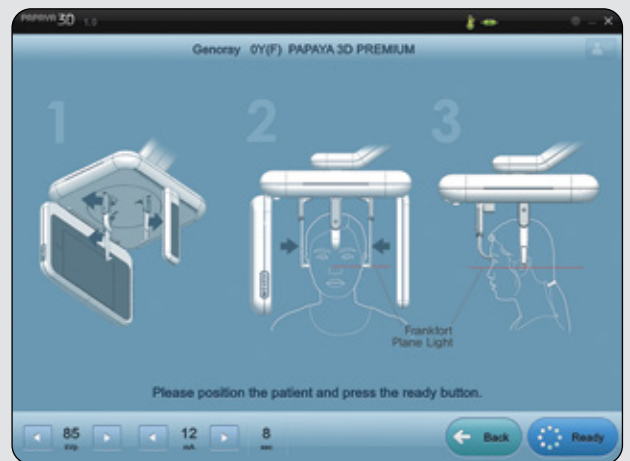

Auto-positioning function
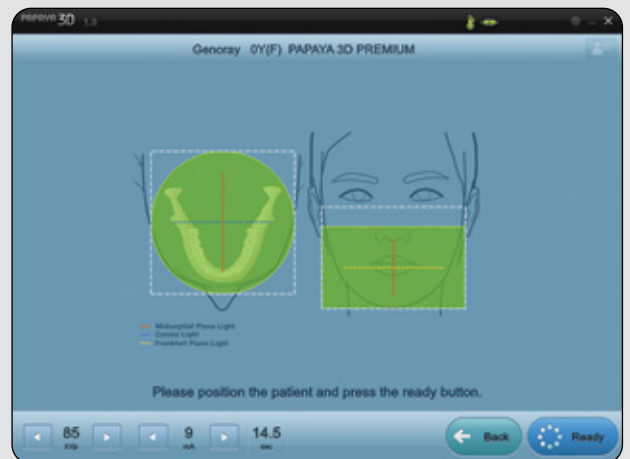

Panoramic patient positioning guide

Cephalometric mode

Cephalometric patient positioning guide

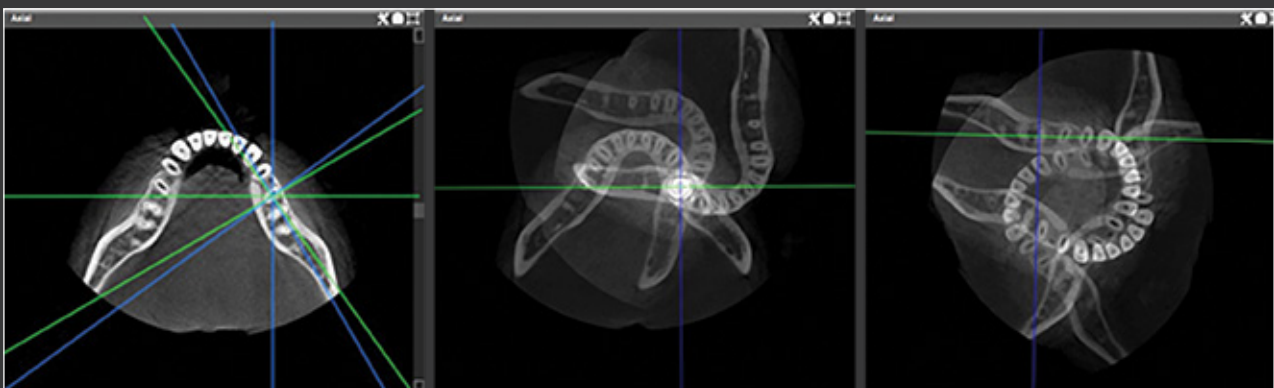CBCT mode

CBCT patient positioning guide

Theia NEW

Genoray 3D image viewer for accurate diagnosis

3 Types of Axis Movement | 3D Viewer

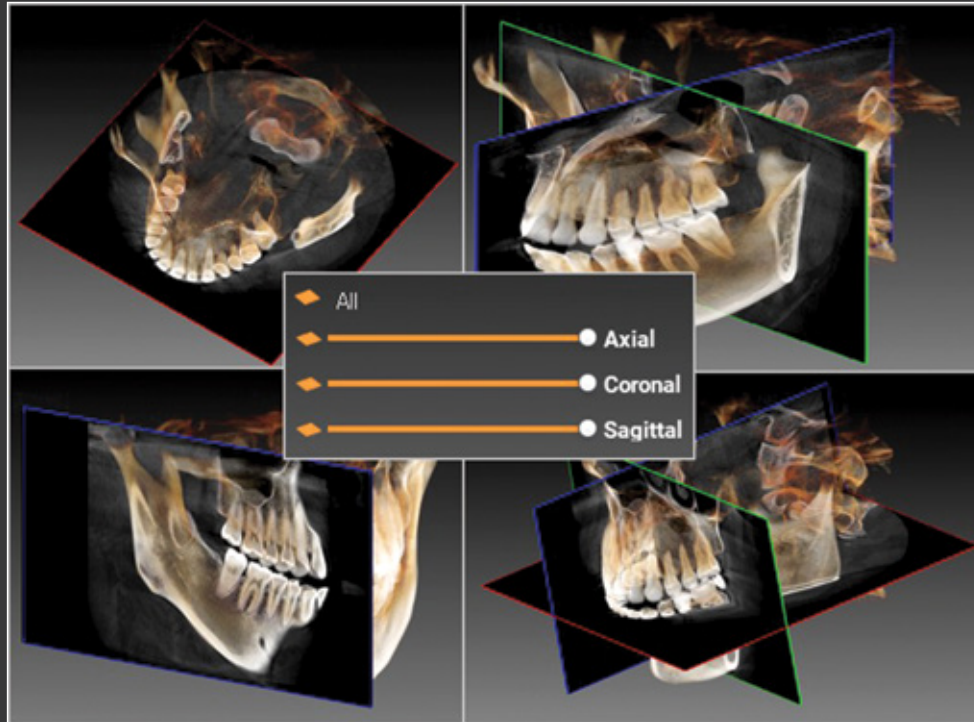**1 Crosshair Centric**   **2 Image Centric**   **3 Screen Centric**
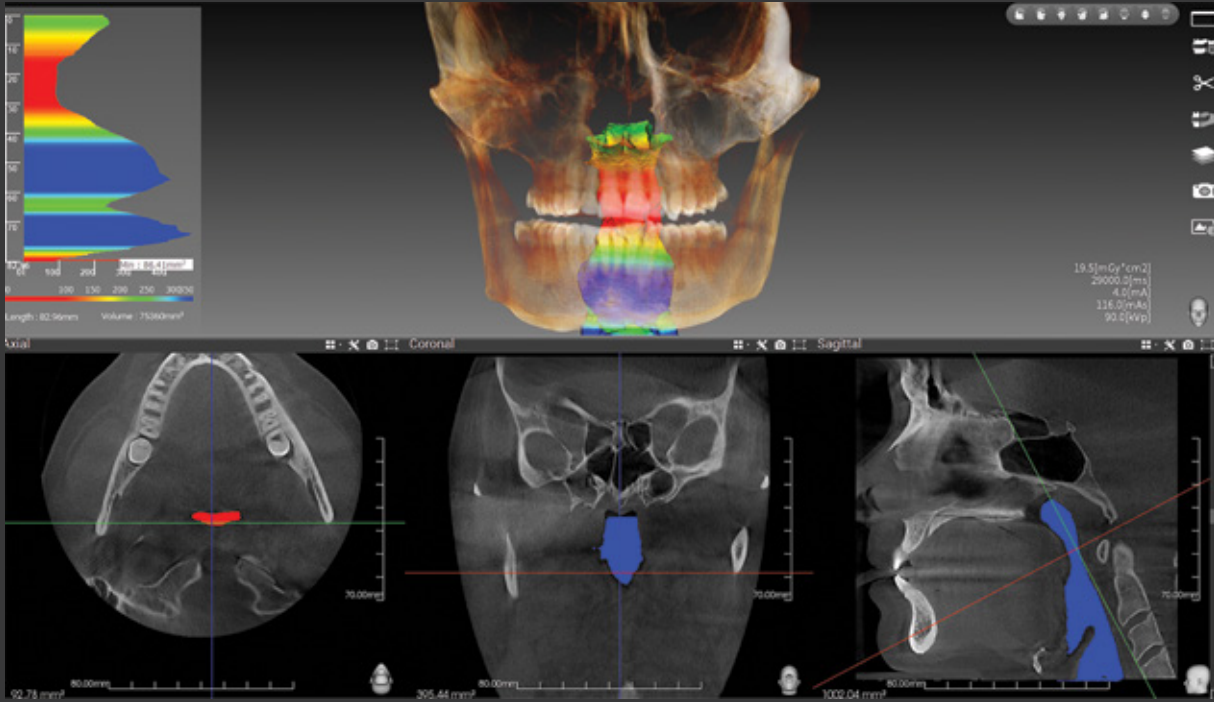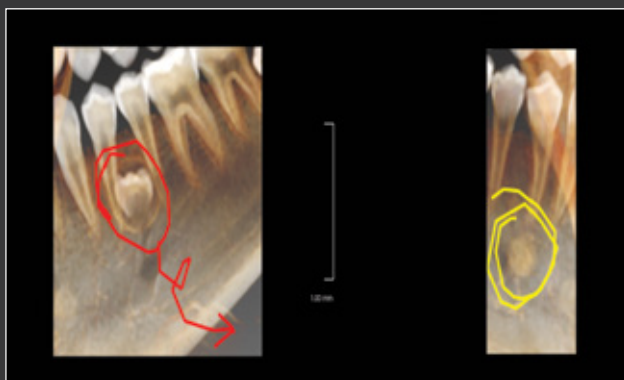
Plane View

CMPR
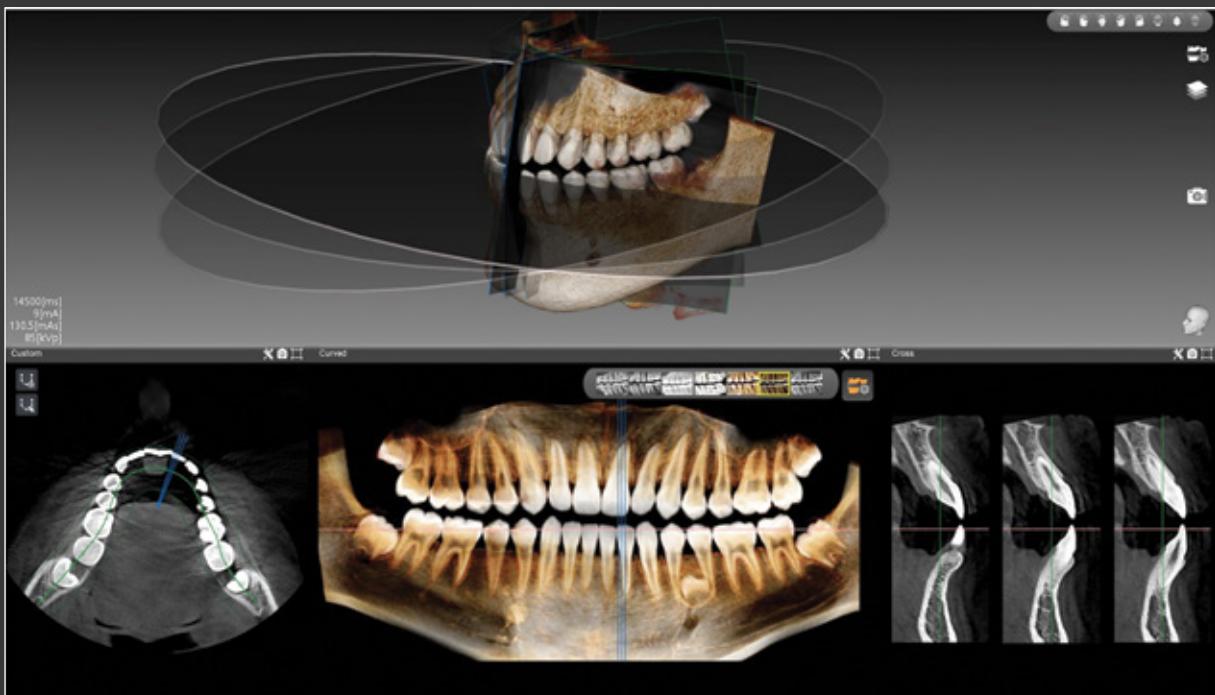
Upper Air-Way Analysis

Snipping Drawing
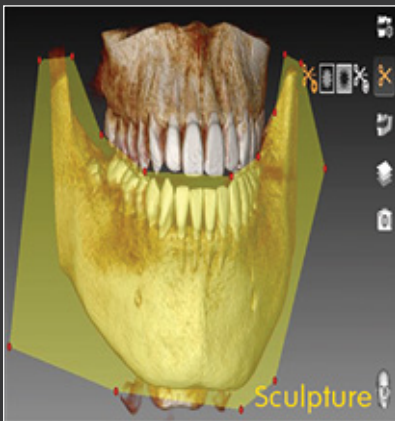

Capture

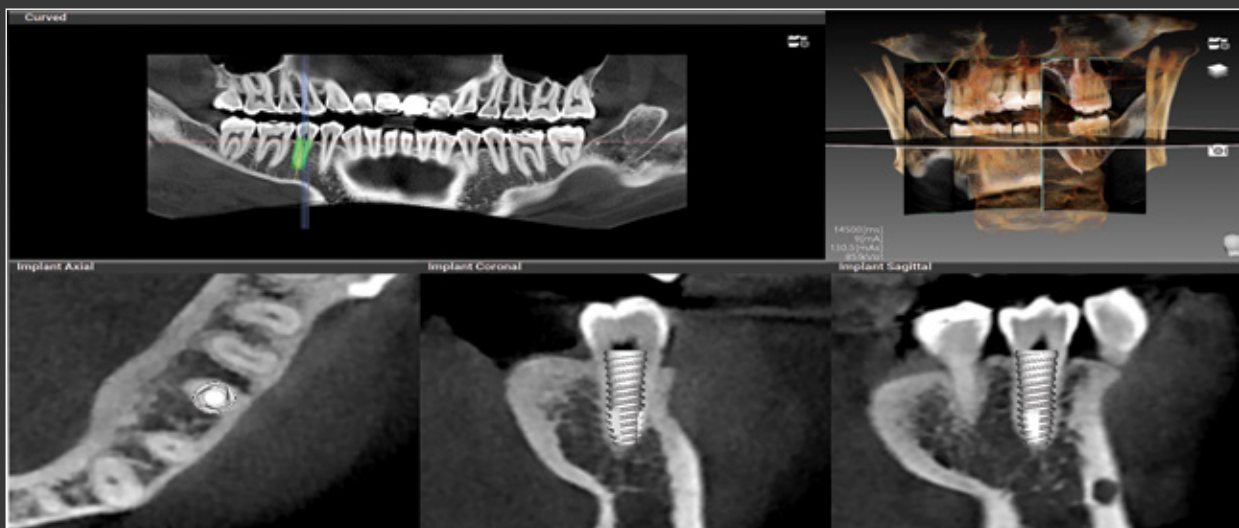# Clipping

Viewpoint Clipping
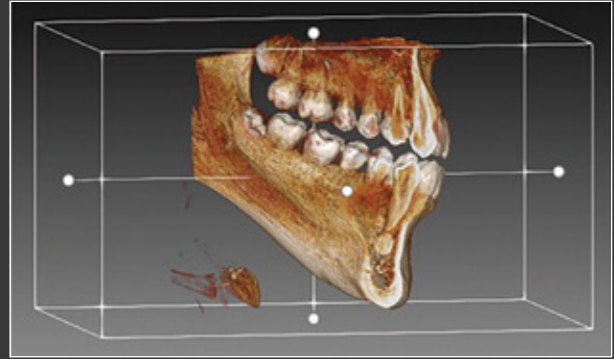
Box Clipping

Sculpture

Implant Centric

BMD with a variety of information

(Bone Mineral Density)

Easy to check the bone status at once by Colorization
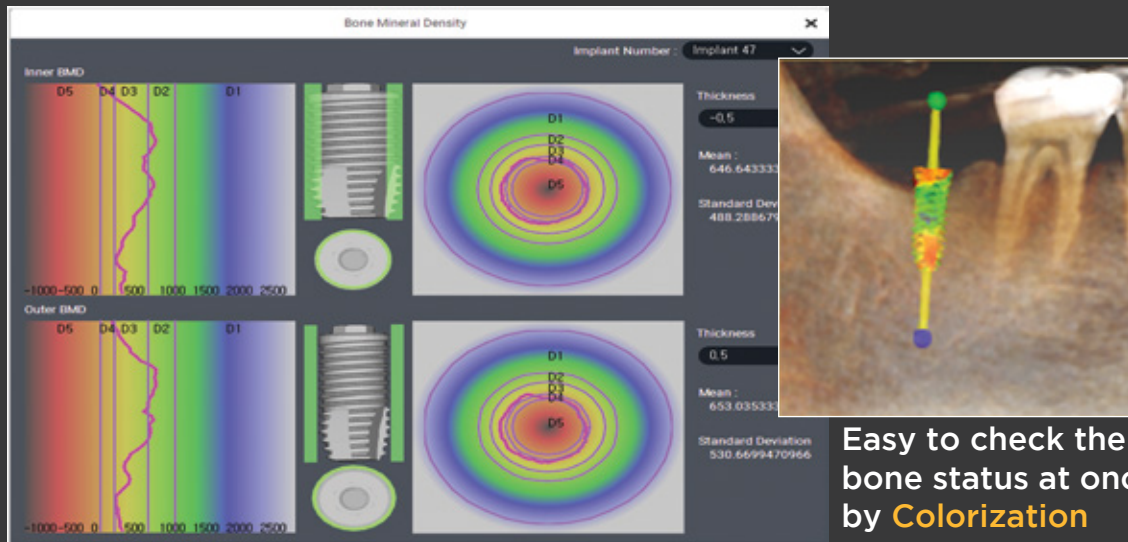
TMJ

General Specifications

Items	Option	FOV/ROI (max, mm)	Voxel (µm)	Detector Pitch (µm)	Detector Size (mm)	Exp. Time sec
CT	NV	40X50~ 160 X 140	75~400	100 X 100	130 X 130	7.7/14.5
CT	LV	40X50~ 230 X 245	75~400	179 X 179	229X229	7.7/14.5
Cephalometric	SC	300X225	-	75X75	228X6.5	2~12
Cephalometric	OS	317X254	-	124X124	310X250	0.5~3.0
Panoramic	PX	--	-	75x75	152x6.5	9~17
	NV (Normal Volume), LV (Large Volume), SC (Scan Ceph), OS (One-Shot Ceph)					
Focal Spot	0.5 mm					
Target Angle	5°					
Tube Voltage	60~90kV					
Tube Current	4~12 mA					

Dimensions

Our Esteemed Clients of CBCT

S. No.	Doctor Name	City	State
1	Dr. Vivek Kumar	Bhagalpur	Bihar
2	Dr. Sabherwal S Dental & Orthodontic Centre	New Delhi	Delhi
3	Dr. Radhika Sahni	New Delhi	Delhi
4	Karnawati Dental College	Ahmedabad	Gujarat
5	Dr. Pankaj Hotchandani	Ahmedabad	Gujarat
6	Dr. Vipul Gothi	-	Gujarat
7	College of Dental Science & Research Institute	Bopal	Gujarat
8	Manav Rachna Dental College	Faridabad	Haryana
9	DVGS Dental Lab	Bangalore	Karnataka
10	Cerela Diagnostic	Bangalore	Karnataka
11	Health Wave Diagnostics & Lab	Wayanad	Kerala
12	S. N. M. Hospital, Mr. Rinchen	Leh	Ladakh
13	Dental Clinic and Research Centre	Bhopal	Madhya Pradesh
14	Yavatmal CBCT Center	Yavatmal	Maharashtra
15	Dr. Bakshi	Nashik	Maharashtra
16	Tata Memorial	Mumbai	Maharashtra
17	Gurmeet Imaging	Mumbai	Maharashtra
18	Signature Smiles	Mumbai	Maharashtra
19	Dr. GANGARAMANI	Mumbai	Maharashtra
20	Dr. Avni Dixit	Chandigarh	Punjab
21	Dr. Deepak Dawar	Chandigarh	Punjab
22	Chintamani Laser Dental Clinic	Chennai	Tamil Nadu
23	Dr. B. Akilanath	Coimbatore	Tamilnadu
24	IDST	Modi Nagar	Uttar Pradesh

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Ver 12/2022

* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.