Technical Specifications

GENERAL

Model		PAPAYA	PAPAYA Plus
Panoramic Exposure		●	●
Cephalometric Exposure		–	●
Exposure Time	Panorama	9 ~ 17 sec	9 ~ 17 sec
	Cephalo	–	4 ~12 sec
Image Field Height (mm)	Panorama	150	150
	Cephalo	–	240

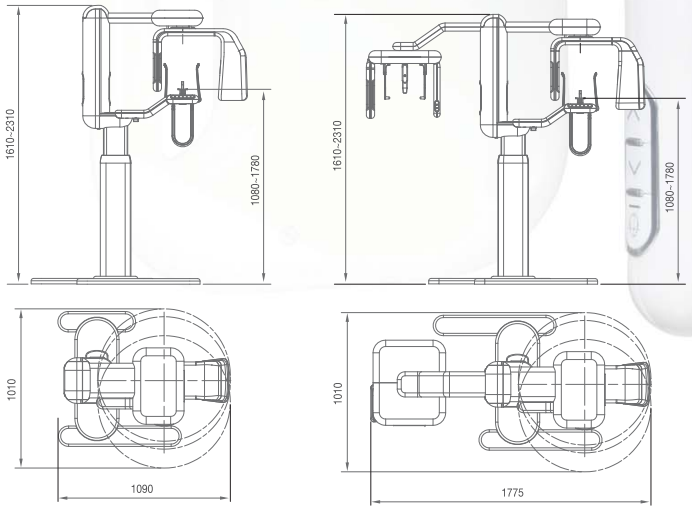
FOCAL SPOT	0.5mm
Target Angle	5°
Maximum Tube Voltage	90kV
Minimum Tube Voltage	60kV
Anode Heat Storage Capacity	35kJ
Maximum Anode Heat Dissipation Rate	250W
Line Voltage	220 V, 50/60Hz

SENSOR	
Type	Direct Conversion
Detector Technology	CdTe + CMOS
Data Interface	Giga Ethernet
Pixel Pitch	100um x 100um
MTF	Up to 80% @ 2.5lp/mm
Dynamic Range	≥72dB
DQE(70kV, 0 lp/mm)	≥0.8

CUST	
X-ray beam	fan beam
Volumetric image size	50 x 50 x 103 mm
Number of slices	256
Slice thickness	0.195 mm

* The specifications above can be changed to improve performance.

Dimensions



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EQUIPAMENTOS DENTÁRIOS

PLUS
PAPAYA
Dental X-ray Imaging system

PAPAYA PLUS
Dental X-ray Imaging System

Panoramic
Cephalometric
Tomography

CE 0434

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GENORAY

New Concept / Multy-function Imaging System, PAPAYA PLUS

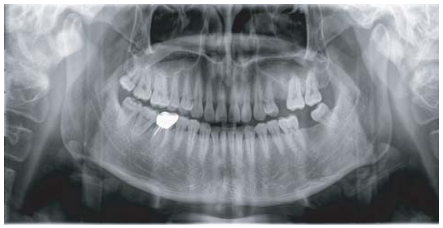
Genoray strives to fulfill a commitment to meet the ever-changing challenges in the Dental imaging industry through advances in technology.

Always creating technology of tomorrow for you-**Genoray.**

Dental X-ray Imaging system

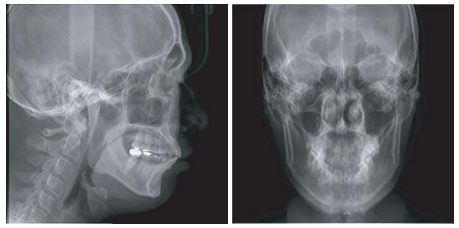
Panoramic Imaging

- Papaya uses the CdTe sensor, which improves image quality while keeping radiation exposure to a minimum, Genoray has shown that it puts patient's safety first.
- The CdTe (Cadimium telluride) sensor overcomes the limitations of a CMOS sensor to always produce high quality images.



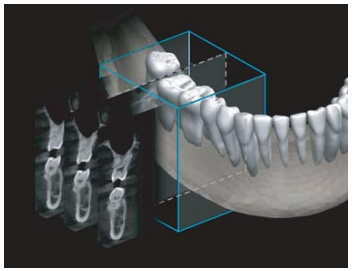
Cephalometric Imaging

- When compared to the standard scanning method, PAPAYA PLUS has the shortest scan time.
- The short scan time reduces distortions caused by patient movement



Tomography Imaging (Optional)

PAPAYA can be upgraded without additional hardware to include the Tomography function.



Minimal investment, Maximal benefit

- PAPAYA provides true 3D imaging on the panoramic system.
- High image quality due to statistical reconstruction technique.
- 3D image has 256 cross-sectional slices having 0.195mm thickness and has FOV 5x5x10.3cm.

Panoramic Imaging system

Panoramic

High Resolution Panoramic Technology

- The CdTe sensor produces high quality images while reducing exposure levels.
- The Multy-focus function improves image analysis and avoids the need for re-exposure.
- The combination of linear and rotational movement allows for a greater variety of exposure modes

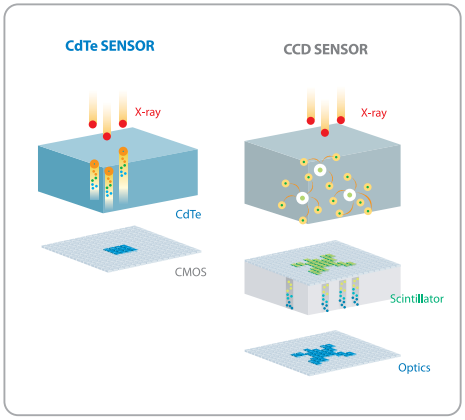
Comparison Between The Different Detector Types

High-Definition images distinguish themselves from the old indirect conversion type of a CCD sensor. This should be the only way you view images

The most natural, sharp and clear view
The fastest image acquisition, which minimizes dose level.
Highest resolution accurate images for improved diagnosis.
The greatest choice of information for diagnostics

CdTe SENSOR

CCD SENSOR



User Friendly

PAPAYA increases user friendliness while maximizing efficiency

Face to face positioning

Jaw Shape
Fit each individual's jaw shape.

Voice support system
Machine's operation status is guided by voice support system

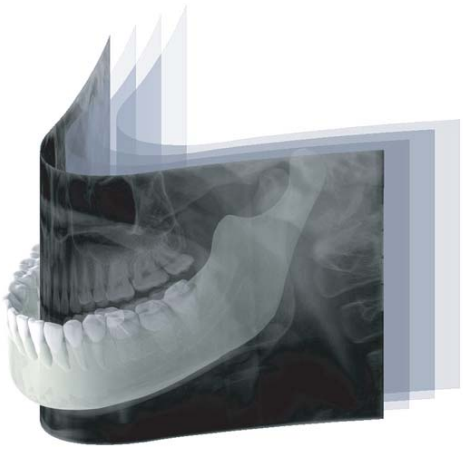
Hand switch
Machine and hand switch's LED display shows the current status of machine.

Emergency switch
In emergency, the machine can stopped immediately with the emergency switch on the hand switch.

Wheelchair accessible

Multi-Focus Function

The Multi-focus function can overcome patient mis-positioning. The 5 layers can be explored to select the correctly focused one.



One scan will acquired 5 images.
The image separation can be varied from 0.1 to 5 mm.

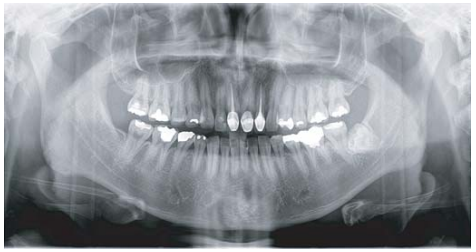
Various exposure options

- Multiple jaw shapes
- Selectable image quality (Fast, Normal, HD)
- Pre-set for easy exposure setting
- Horizontal & vertical X-ray segmentation for dose reduction
- TMJ detail setting for reducing patient dosage

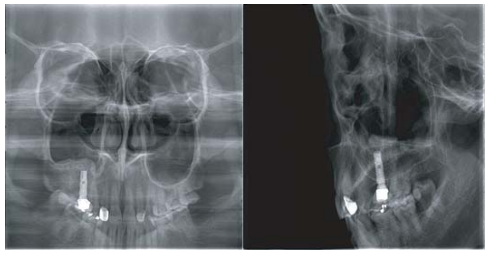
Exposure Programs

PAPAYA supports various exposure programs, fulfilling all diagnostic needs.
Standard panoramic, orthogonal panoramic, bitewing panoramic, child panoramic, TMJ lateral double, horizontal & vertical X-ray segmentation, TMJ PA double, TMJ LAT-PA, TMJ LAT-PA double, sinus lateral and sinus PA are supported.

Standard panoramic

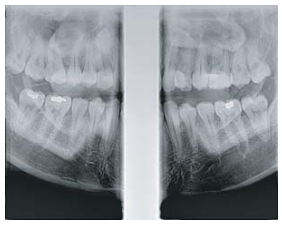


Orthogonal panoramic

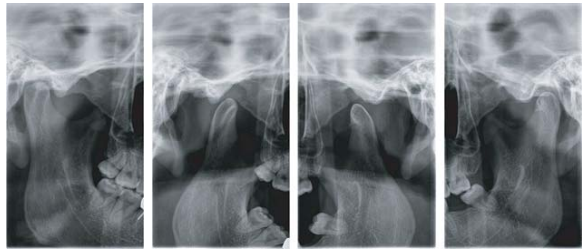


Sinus PA / Sinus lateral midsagittal

X-ray segment



Bitewing

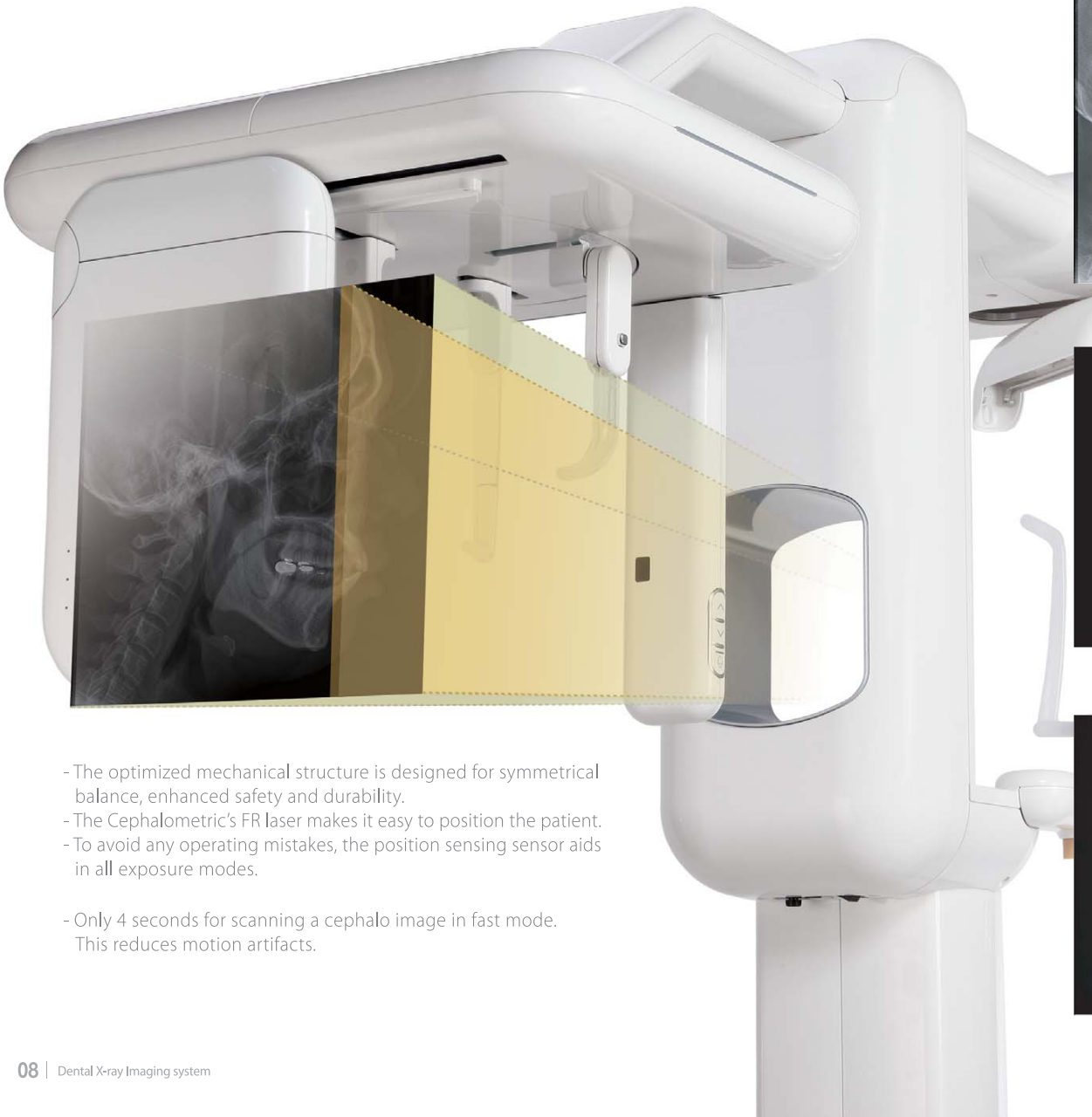


TMJ lateral double

Cephalometric Imaging system

Cephalometric

High Resolution Cephalometric Technology



- The optimized mechanical structure is designed for symmetrical balance, enhanced safety and durability.
- The Cephalometric's FR laser makes it easy to position the patient.
- To avoid any operating mistakes, the position sensing sensor aids in all exposure modes.

- Only 4 seconds for scanning a cephalo image in fast mode. This reduces motion artifacts.

Exposure Programs

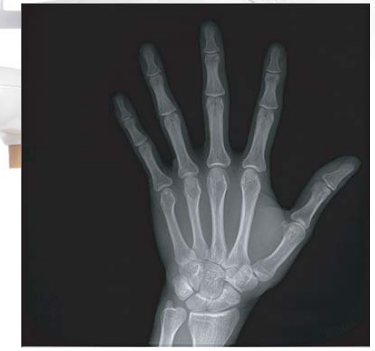
PAPAYA PLUS supports various exposure programs to fulfill all diagnostic needs.
Lateral, AP, PA, Water's view, Submento vertex, and carpus, are supported.

Lateral

AP

Water's view

Submento vertex



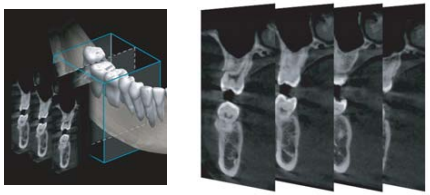
Carpus

(Optional)*

Tomography Imaging

Cubical Semi Tomography Technology

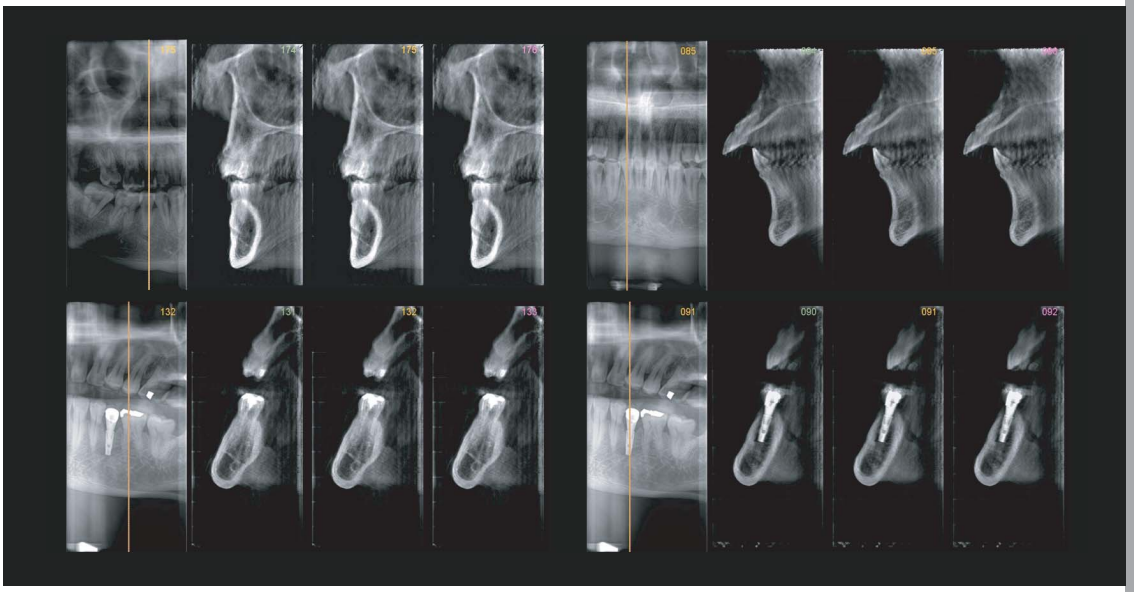
PAPAYA CUST is in a 3D imaging function that provides cross-sectional information for implant preparation.



Dental Cross Sectional View

PAPAYA CUST

- Complements the panoramic image, and provides a tomographic image required for implant planning.
- When planning the implant, CUST images help the patient understand the procedure.
- PAPAYA with CUST function is economical compared to CBCT.



TRIANA

TRIANA is able to manage all images from all devices; panoramic, cephalometric, intraoral, 3D X-ray as well as still camera imaging and intraoral video.

Image viewing (Zoom, Paning, Comparing, Window Leveling)
Image enhancement, **Printing** (Paper, Film printer, WYSWYG), **Image import/export** (bmp,jpg,gif,png, dcm, etc)
Measurement (Distance, Angle), **Annotations** (Line, Arrow, Text, Stamp)
Implant Simulation, **DICOM 3.0 compatibility** (Strorage (dicom send), film printer, worklist, etc)

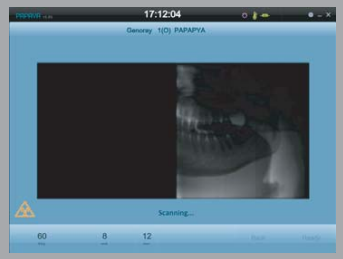
PAPAYA operation software

PAPAYA exposure modes are prepared and initated using clear step by step pictorial software.

Panoramic exposure mode

Cephalometric exposure mode

Patient positioning guide



Realtime preview

Exposed image display

Status display