

INTRAORAL IMAGING



INTRAORAL SENSOR

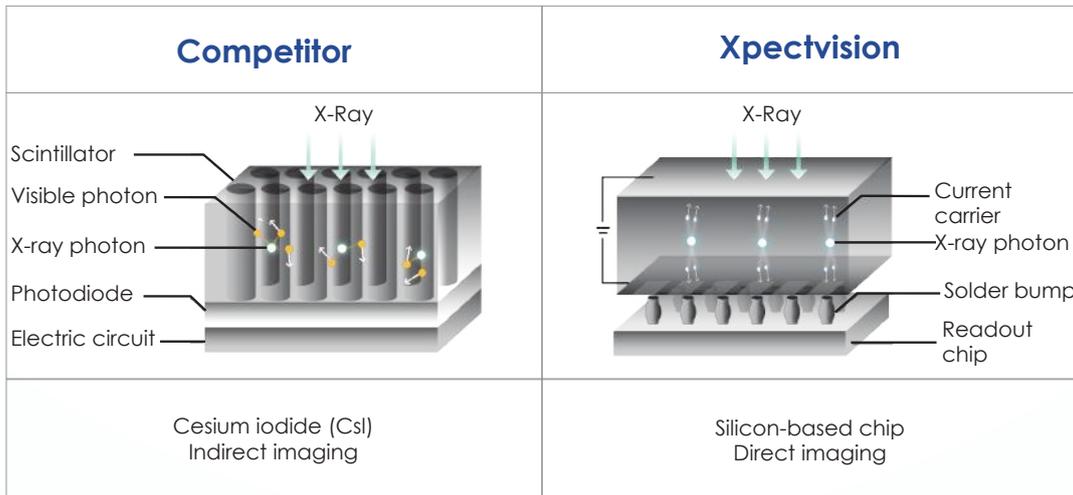
DENTAL X-RAY



The World's First Photon-Counting Intraoral Sensor

Cutting Edge Technology and Strict Tests Deliver Unrivaled Durability

The Xpectvision intraoral sensor uses silicon-based chips instead of the traditional material, cesium iodide (CsI), avoiding image blurring or performance deterioration.



**High-Strength,
Durable Cable**

**Water Resistance
Tested to IEC IP68**



Technical Specifications	
Technology Used	Photon Counting Detection (PCD)
Waterproof	Yes
RVG Size	1.5
Effective Imaging Area	25mm x 30mm
Image Resolution	14lp/mm
Pixel Size	-
Sensor Ready for image capture	Manually
License Required	Yes
Cable Quality	Reinforced
Cable Length	3 meters*
Gray Scale	>=16 bit

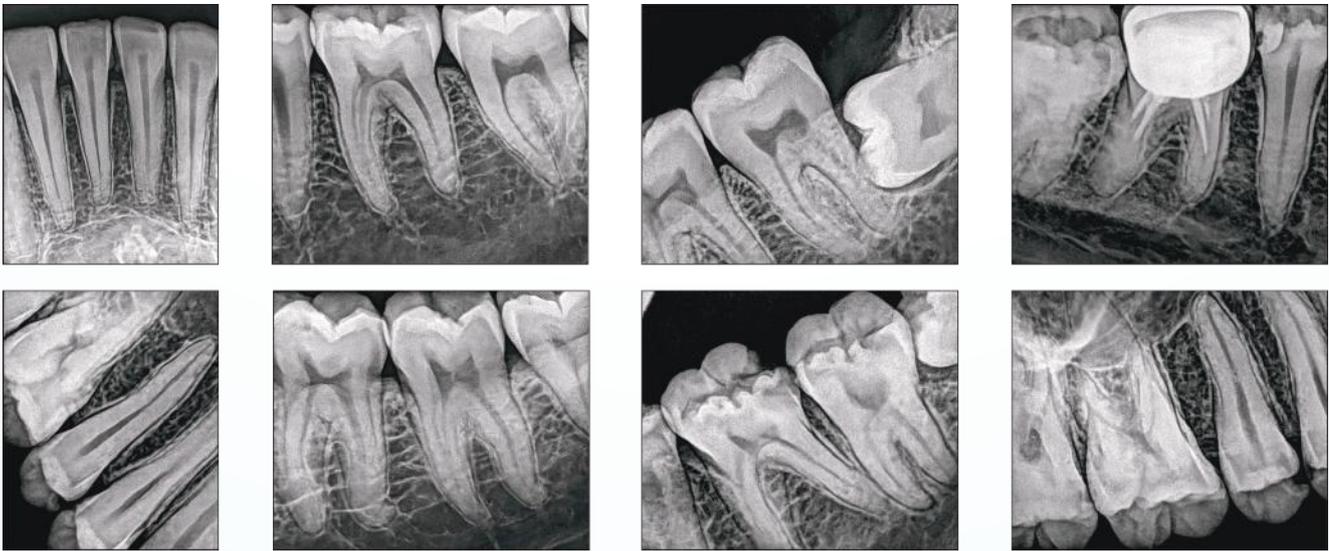
*Approx. 3 Meters

Xpectvision's Direct Imaging Innovation

Provides Unparalleled Clinical Image Quality

Of its high technical requirements and costs, photon-counting is an emerging technology in clinical CT. Xpectvision is the world's first to apply the latest photon-counting technology to dentistry, enabling direct imaging, avoiding the interference of light scattering from conventional indirect imaging, and ensuring image acquisition stability.

The broad dynamic range eliminates time-consuming fine-tuning of exposure to produce a clinical image. Adjust contrast and brightness to meet different clinical requirements.



PORT-X III

Slimmer | Smarter | Superior

STEADY SELLER

With excellent quality & economy, PORT-X III has been loved steadily by our customers since its launch.



EXCELLENT SHIELDING

0.5T lead shielding protects users and patients from X-RAY scattering.

EASY TO USE

The preset exposure time allows you to easily acquire the image in just three operations.



Technical Specifications		
X-Ray Generator	Type	High Frequency Inverter
	Power Output	180W
X-Ray Installations	Tube Voltage	60 kV
	Tube Current	2mA
	Heat Capacity	8.5 KHU
X-Ray Tube	Anode Type	Stationary
	Anode Angle	20°
	Focal Spot	0.8mm
X-Ray Control	Exposure Time Set	46 Steps (0.01 ~ 2.0 sec)
Power Requirement		22.2 VDC
Weight	Main Body	2.35 kg
	Accessory	0.6 kg
Dimension	Main Body	197 x 147 x 145 (mm)
	Charger	100 x 65 x 35 (mm)

PORT-X II

PERFECT COMBINATION OF RELIABILITY & POWERFUL INNOVATION

- ✦ Portable, compact & wireless DC X-Ray
- ✦ 60kV/2mA Toshiba Tube
- ✦ Electrical Voltage 220 V
- ✦ Focal Spot 0.8 mm
- ✦ Exposure Time (0.01-2.0 sec)
- ✦ Graphic LCD display
- ✦ IOPA film & Radiovisiography sensor compatible
- ✦ Round type beam limiting device
- ✦ Total filtration 1.8 mmAl
- ✦ Weight approx. 2.8 Kg
- ✦ Internally LEAD coated to prevent excessive exposure & dispersion of radiation
- ✦ Rechargeable Lithium-Polymer battery
- ✦ Patient & tooth selection mode
- ✦ Very useful for multi-chair clinics

Compact Outside - Smart Inside



Digital Sensor 0.15 sec
Chemical Film 0.3 sec



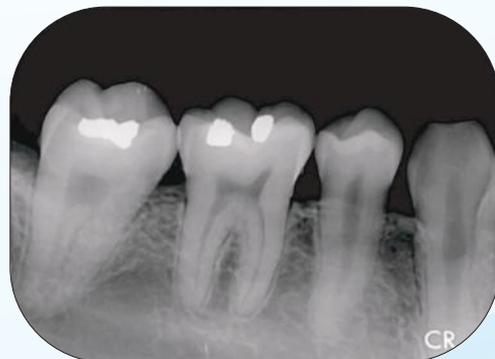
Canine

Digital Sensor 0.15 sec
Chemical Film 0.3 sec



Incisor

Digital Sensor 0.25 sec
Chemical Film 0.35 sec



Molar

CR

India's Highest selling
Portable X-Ray with
10,000+ Installations

RVG 5200

The RVG 5200 is the perfect choice for those looking to take a first step into digital dental radiography. An ideal solution for intraoral imaging needs, the easy-to-use sensor allows users to capture exceptional images quickly and easily. The image quality of the RVG 5200 sensor is the same or higher than other intraoral sensors in its class - so there is no need to sacrifice image quality for affordability.

Easy to install, so you can use it immediately

The RVG 5200's user-optimized quick install & user guides help through the installations process, while the post-installation tool verifies the system is working properly to eliminate downtime.

Technology you can count on

The RVG 5200 sensor is backed by Carestream Dental's decades of experience in digital radiography systems and engineering. To protect your investment, all of the connection points along the sensor cable have been reinforced for added durability, ensuring the sensor can withstand hard pulls and torsions.



Waterproof & fully submersible for optional infection control

PROVEN RVG TECHNOLOGY ESTABLISHED RELIABILITY



High Image Quality



Convenient quickstart



Maximum durability



CE / EC ISO 13485:2016

Technical Specifications	
Technology	CMOS
True Image Resolution	16 lp/mm
Connection	USB 2.0 - High Speed
Size 1	All Purpose sensor providing the best compromise between ease of use and active area
Outside Dimensions	27.6 x 37.7 mm
Dimensions of Active Area	22.2 x 29.6 mm
Sensor Plate Thickness	7.3 mm



Portable High-Frequency X-Ray Unit



CE / EC EN ISO 13485:2016

- ✦ Portable, Compact & Wireless DC X-Ray
- ✦ Useful for multiple chair Clinical Set-up
- ✦ Very Light in weight device, easy for single handed operation with the weight of 1.7 Kg
- ✦ Superior Image Quality with less radiation to both patient & the operator
- ✦ Imported micro-focus CANON tube from Japan ensures clearer image.
- ✦ Wide digital display for easy operation
- ✦ Imported circuits from South Korea, ensures high-quality image even during low battery power
- ✦ 150 shots of X-ray can be taken once the unit is fully charged
- ✦ Various exposure modes for different parameters



Concise and clear digital display

Technical Specifications:

- ✦ Focal Spot: 0.4 mm
- ✦ Tube: CANON D-045
- ✦ Tube Current: 2mA \pm 20%
- ✦ Voltage: 70 kV \pm 10%
- ✦ Frequency: 50 -60Hz
- ✦ Total Filtration: 1.5mm Al
- ✦ Exposure Time Range: 0.04 Sec – 2.0Sec



Available for hand-held shooting separately

TIMEX 70E X-RAY

The first X-Ray equipment that respects your nature

Gnatus, after several years of research, capture from nature, more precisely from the flight of hummingbirds, all attributes that professionals like you expect from an X-Ray machine.

The X-Ray joints allow a rotation of 180 degrees. Seem to have no limits and defy gravity with daring maneuvers.



Key Features:

- ✦ Exclusive Technology Green 95% less lead
- ✦ Ergonomic digital control
- ✦ Scale of the head angling 300° rotation
- ✦ Thermal protection of the head
- ✦ Rectangular Collimator
- ✦ Head with compensation chamber
- ✦ Arms and column made of steel

Technical Specification:

- ✦ Power: 1200VA
- ✦ Frequency: 50/60Hz
- ✦ Max Current of the tube: 7mA
- ✦ Time of exposure: 60ms, 3.2sec
- ✦ Equivalent filter of Aluminum: 1.5mm
- ✦ Nominal Focal point value: 0.8 x 0.8mm



WHERE **TRUST** COMES FIRST



Partnering with Dentists for over two decades
creating a world full of healthy smiles together.

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

Ver 2/2024

GENORAY



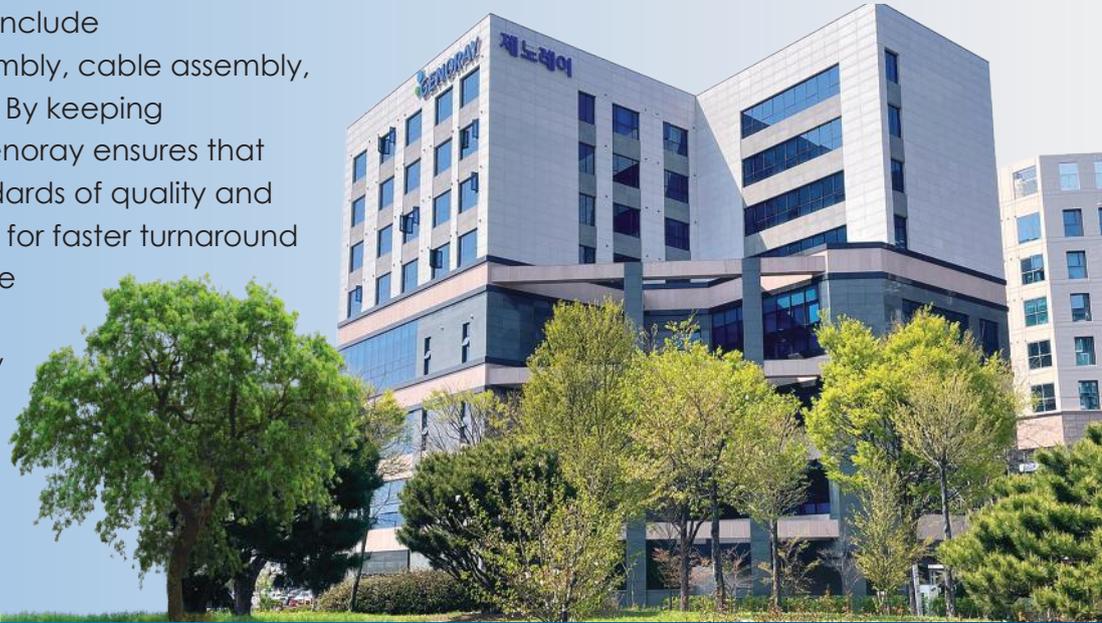
Plus
PAPAYA Slim

The World's First & Only
3-in-1 OPG Unit
Panoramic
Cephalometric &
Semi-Tomography Imaging

UNICORN DenMart [®]
Behind The Best Indian Dentists

In House Manufacturing

Genoray is a Medical & Dental equipment manufacturer that offers in-house manufacturing of its products. This means that the company has complete control over the production process, from design to assembly, allowing for strict quality control. Genoray's in-house manufacturing capabilities include injection molding, PCB assembly, cable assembly, and final product assembly. By keeping manufacturing in-house, Genoray ensures that its products meet high standards of quality and reliability while also allowing for faster turnaround times and the ability to make modifications quickly. This approach enables Genoray to maintain a competitive edge in the market and provide its customers with top-quality medical & dental equipment.



Continuous R&D Investment

- ▲ 8-10% Investment in Annual Sales
- ▲ 30% of all Researchers have Masters & Doctorates
- ▲ R&D Performance - 72 Cases (Government, External & Self)
- ▲ Intellectual Property - 47 Patents, 27 Trademarks
- ▲ Certification Status - 85 Cases (Domestic & International)



R&D through cross-over by Different Sectors

- ▲ Integrated Management of Medical & Dental Research
- ▲ Specialized Technology by Sector - R&D



Internalization of Core Technology

- ▲ Manufacturing Technology of X-Ray Generators
- ▲ Inhouse development of Flat Panel Detectors
- ▲ 3D Image Processing with Correction Algorithm
- ▲ Dedicated Software Development - THEIA, TRIANNA

Ultimate Panoramic Imaging

High Resolution X-Ray Imaging System

PAPAYA uses the advanced CMOS sensor, which improves image quality while keeping radiation exposure to a minimum, Genoray has shown that it puts patient's safety first.

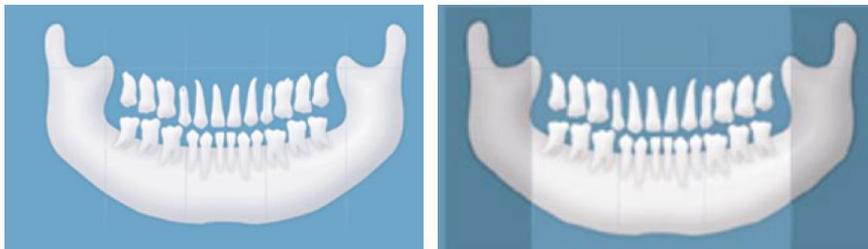


Multi-Focus Function

Improves Image Analysis & avoids the need of re-exposure.

The Multi-focus function overcomes patient mis-positioning. The user is therefore able to find the most optimally-focused choice from a selection of images.

5 panoramas
OPTIMAL IMAGE



Protection From Unwanted Radiation

Segmental selection 2D scan saves from unwanted radiation.

User Friendly

PAPAYA increases user friendliness while maximizing efficiency



Face-to-face positioning



Multi-role remote with emergency stop switch

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



9 different jaw shapes

Fit each individual's jaw shape



Voice support system

Machine's operation status is guided by voice support system



Wheelchair accessible



Dental Crop

Provides full mouth IOS images

According to exposure mode, LED color changes.



20 Different Exposure Modes

Different 2D images for various diagnosis purpose

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, sinus PA and CUST are supported.



Panoramic	Standard	Orthogonal	Bitewing	TMJ	Lateral	PA	Double Lat-PA
Sinus	Lateral	Lateral Mid	PA	CUST	Cross Section		
Cephalometric	Lateral	AP	PA	Water's View	SMV	Carpus	

Smart & compact design!

Papaya: This smart design will allow for easy and fast setting installation.

Not only that, its compact design requires minimum space & is easily accessible for your patients.



Fast, HD & Normal Scan Mode



User friendly LED indication



4 different patient selection

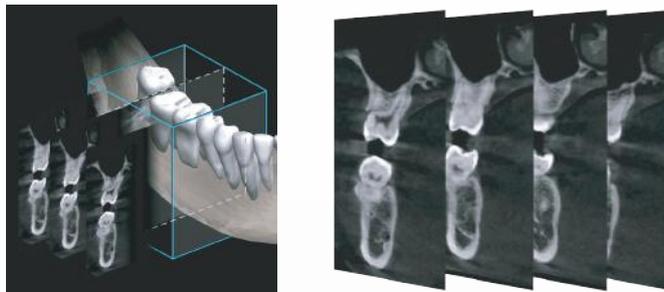


Even more, Tomography! (optional)

Tomography Imaging

Cubical Semi-Tomography Technology (CUST)

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



Dental Cross Sectional View

- ▲ 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

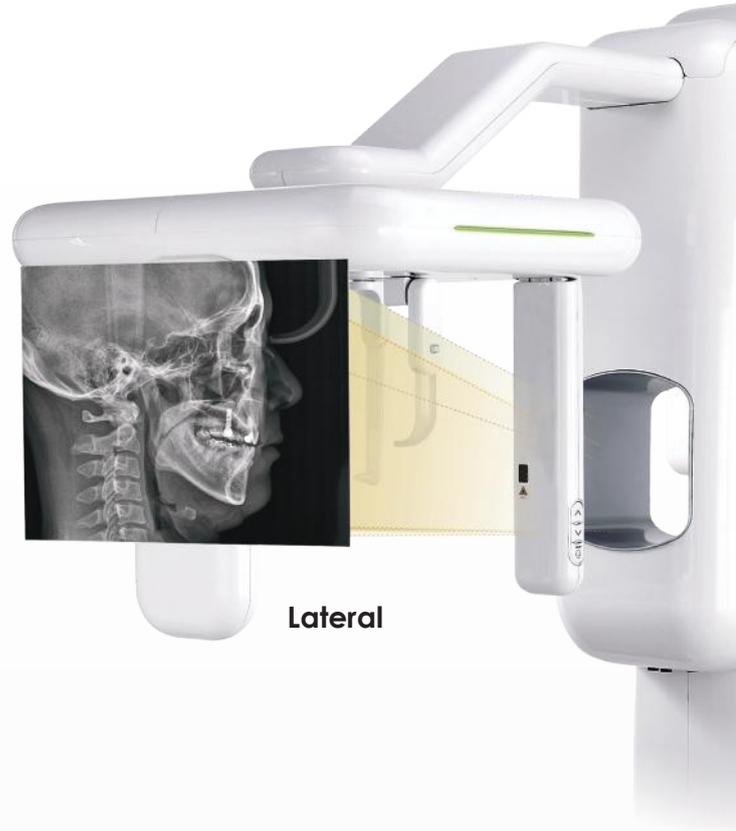
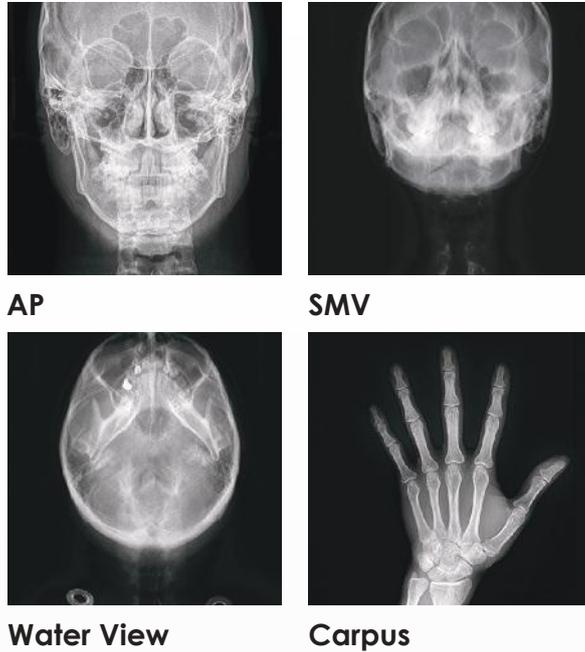


Exposure Programs



Cephalometric

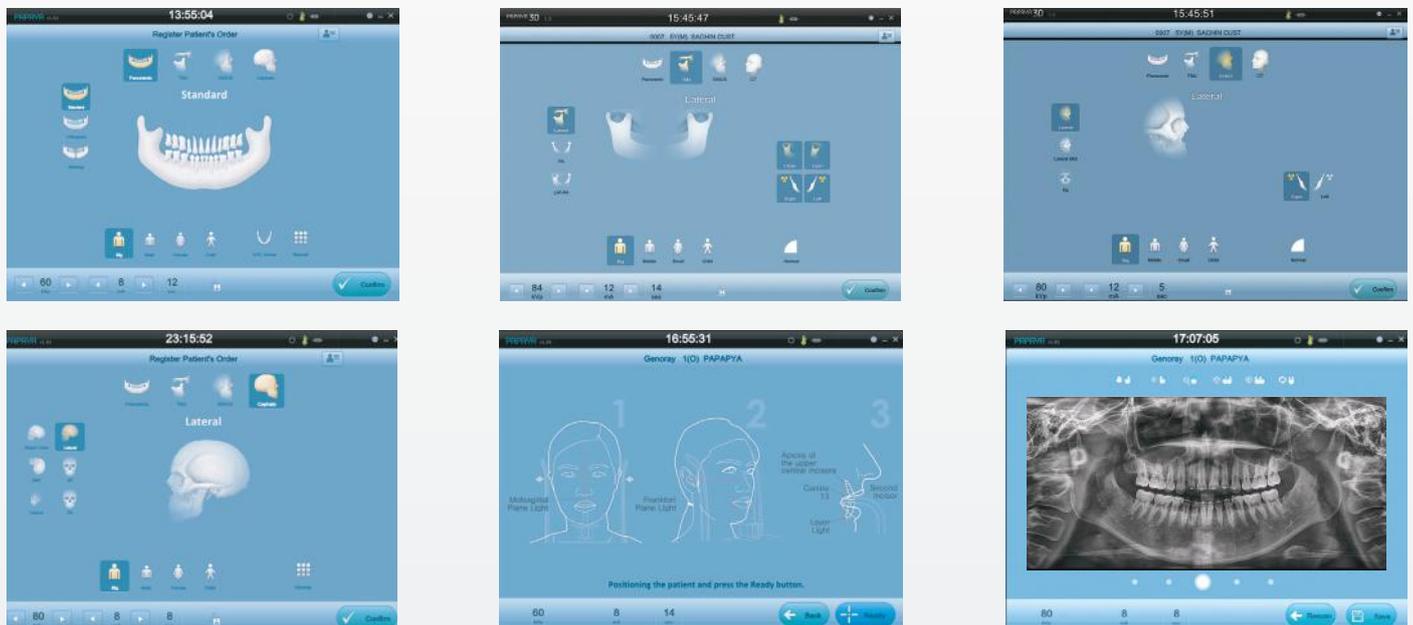
Advanced Solution For Orthodontic Diagnosis



- ▲ The optimized mechanical structure is designed for symmetrical balance, enhanced safety and durability
- ▲ To optimise result, the sensor automatically positions for each exposure mode
- ▲ Only 4 seconds for scanning, a cephalo image in fast mode reduces motion artifacts

PAPAYA Operational Software

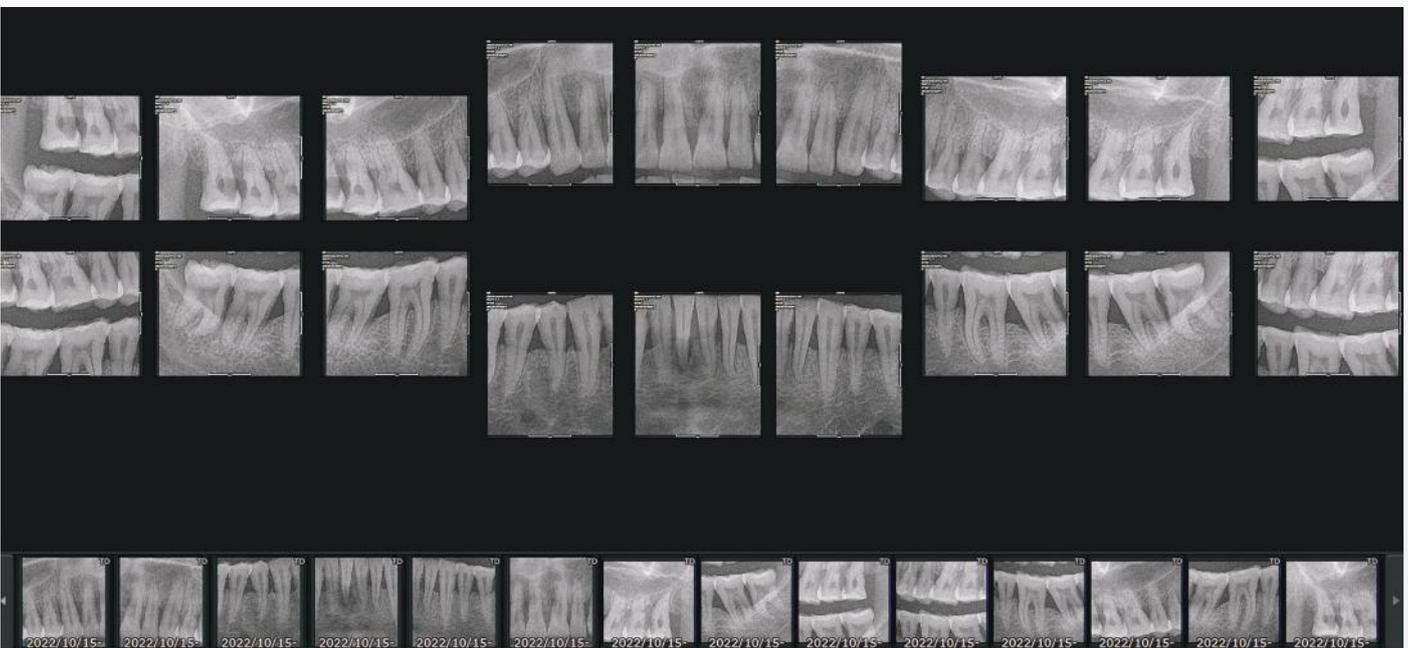
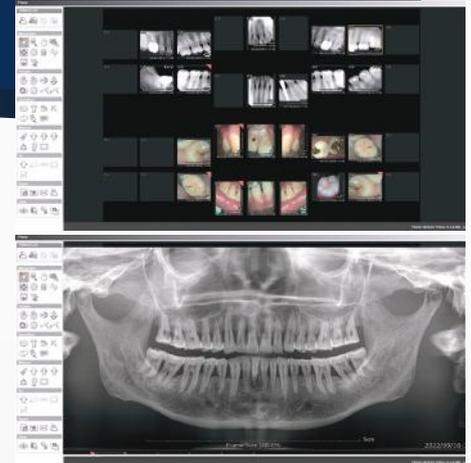
PAPAYA exposure modes are prepared and initiated using clear step by step pictorial software.



TRIANA

TRIANA is able to manage all images from all devices. (panoramic, cephalometric, intraoral sensor, CBCT, Intraoral camera and digital camera)

Image viewing	Zoom, Panning, Comparing, Window leveling
Measurement	Distance, Angle
Annotations	Line, Arrow, Text, Stamp
Implant simulation, DICOM 3.0 compatibility	Storage (DICOM send), film printer, worklist etc
Image enhancement, Printing	Paper, Film printer, WYSWYG
Image import/export	bmp, jpg, gif, png, dcm etc



Technical Specification - PAPAYA

Exposure Time	4-17 sec
Focal Spot	0.5mm
Target Angle	5°
Sensor Tehnology	CMOS
Maximum Tube Voltage	90kV
Minimum Tube Voltage	60kV
X-Ray Tube	Canon

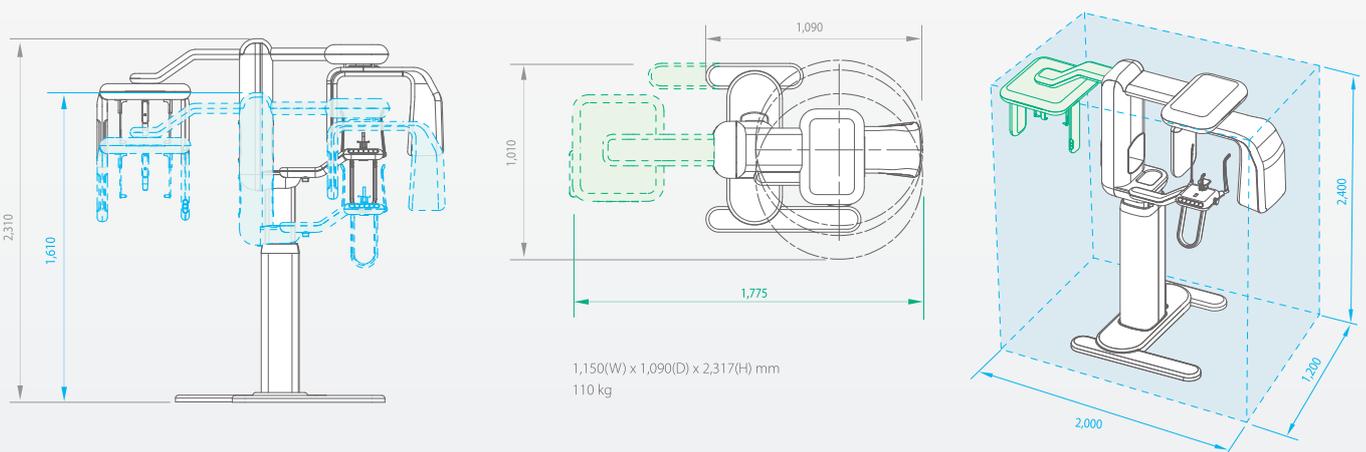
Sensor

	PAPAYA	PAPAYA Plus
Pixel Pitch	75x75 µm	75x75 µm
Active Area	152x6.5 mm	228x6.5 mm

CUST Specification

X-ray beam	Fan Beam
Volumetric image size	50X50X103 mm
Number of slices	256
Slice thickness	0.195 mm
Measurement error	<1 mm

Dimensions



Our Esteemed Clients of OPG

Andhra Pradesh		
S. No.	Doctor Name	City
1	CMC Vellore Hospital	Chittoor
2	Dr. Tirumal Rao	Kadapa
3	Dr. Sarveshwara Rao	Eluru
4	Star Dental Centre Pvt Ltd	Kakinada
5	Maj Dr Batchu Santhosh	Nandyal
6	Dr. A Swaroop Kumar Reddy	Nellore
7	Sri Surga Multi Speciality Dental Clinic	Vijaywada
8	Thomson Scan	Visakhapatnam
9	Dr. Ambati Ishwarya	Warangal
10	Dr. Deepthi Gadam	Srikakulam
11	Dr. Nemaly Chaithanyaa	Madanapalle
12	Dr. Podugu Kalyan Chakravarthy	Srikakulam
13	Dr. S Chandra Sekhara Reddy	Anantapur
14	Dr. Surya Kumari Ittamsetti	Visakhapatnam
15	Dr. V. Rammohan Reddy	Chittoor
16	Dr. Vinod Birra	Visakhapatnam
17	Dr. Y Ramana Reddy	Nellore
18	Dr. Sowmya	Anantapur
19	Krishna Institute of Medical Sciences Limited	Nellore
20	Sowjanya Dental Hospital	Guntur
21	Sri Chaitanya Multi Speciality Dental Hospital	Jangareddigudem
22	Amrutha Multispeciality Dental Clinic	Srikakulam
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24	Dr. A Swaroop Kumar Reddy	Nellore
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26	Dr. Anupoju Someswara Rao	Visakhapatnam
27	Dr. G Leela Krishna Mohan	Vijaywada
28	Dr. Kalyan Chakravarthy P	Srikakulam
29	Dr. M. Venkata Gangadhar	Rajahmundry
30	Dr. Sajjan Anand Gubbala	Amalapuram
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36	Dr. Ravi Chandra Koganti	Visakhapatnam
37	Dr. Vinjamuri Anil Dev Dutt	Visakhapatnam
38	Dr. Kishor	Kurnool
39	Dr. Ramamoorthy	Amalapuram
40	Dr. Y. Indraneel	Kavali
41	Krishna Institute Of Medical Sciences Limited	Ongole
42	R N Labs & Diagnostic	Vizianagaram
43	Vijju Dental Clinic	Elamanchili
44	Aditya Educational Society	Srikakulam
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46	Dr. Bharath	Godavari

47	Dr. Bonthu Jagadesh Babu	Narsipatnam
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49	Dr. Chandra Sekhar Chadalavada	Guntur
50	Dr. Raviteja Borugadda	Vijaywada
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52	Dr. Sanjay Dutt	Vijaywada
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56	Dr. Lakshmi Narayana Metta	Srikakulam
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84	Dr. Kishor	Kurnool
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88	Dr. J Ravi Rakesh Dev	Guntur
89	Dr. Siva Nagini	Hyderabad
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92	Dr. Kumar Sharad Bhusan	Darbhanga

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115	Dr. Harjap Singh	Chandigarh
116	Dr. Sarabjeet Singh	Chandigarh
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178	First Consult	East Of Kailash
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183	Dr. Anshul Phogaat	Safdarjung Enclave
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185	Kailash Dental	Patel Nagar
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229	Dr. Mantra H. Parikh	Una
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248	Dr. Abhishek Khurana	Sirsa
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GENORAY

PAPAYA 3D^{Plus}

Combination Imaging System

1 Scan 3 Images

3 Dedicated Detectors

CBCT

Panoramic

Cephalometric

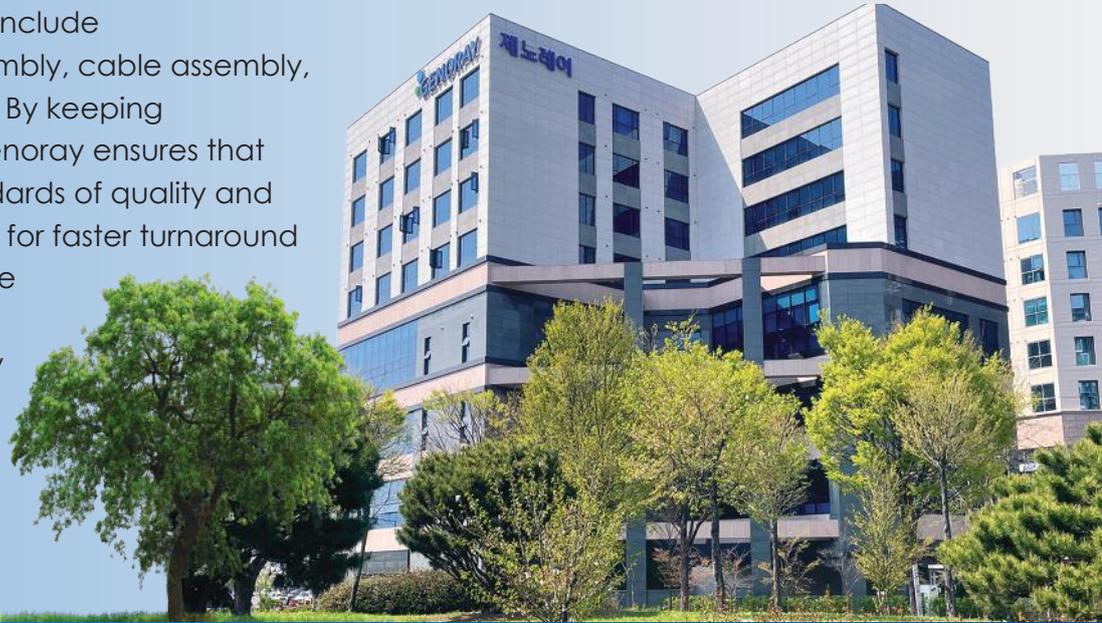


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FUTURE OF IMAGING

In House Manufacturing

Genoray is a Medical & Dental equipment manufacturer that offers in-house manufacturing of its products. This means that the company has complete control over the production process, from design to assembly, allowing for strict quality control. Genoray's in-house manufacturing capabilities include injection molding, PCB assembly, cable assembly, and final product assembly. By keeping manufacturing in-house, Genoray ensures that its products meet high standards of quality and reliability while also allowing for faster turnaround times and the ability to make modifications quickly. This approach enables Genoray to maintain a competitive edge in the market and provide its customers with top-quality medical & dental equipment.



Continuous R&D Investment

- 8-10% Investment in Annual Sales
- 30% of all Researchers have Masters & Doctorates
- R&D Performance - 72 Cases (Government, External & Self)
- Intellectual Property - 47 Patents, 27 Trademarks
- Certification Status - 85 Cases (Domestic & International)

R&D Through Cross-Over By Different Sectors

- Integrated Management of Medical & Dental Research
- Specialized Technology by Sector - R&D



Internalization Of Core Technology

- Manufacturing Technology of X-Ray Generators
- Inhouse development of Flat Panel Detectors
- 3D Image Processing with Correction Algorithm
- Dedicated Software Development - THEIA, TRIANNA

3 Dedicated Detectors

The Genoray Papaya 3D is equipped with three dedicated detectors that enhance its imaging capabilities. These dedicated detectors of the Genoray Papaya 3D work in synergy, enabling clinicians to obtain high-quality, detailed images for accurate diagnoses and effective treatment interventions.



1 Scan 3 Images

The Genoray Papaya 3D imaging system revolutionizes dental diagnostics with its advanced capabilities. One scan with this cutting-edge device captures three highly detailed images, providing clinicians with a comprehensive view of the patient's condition.

All Axis Motorized Movement

(Up/Down/Left/Right)



CBCT



Panoramic

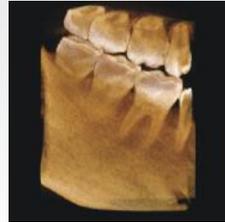
Ceph



Multi-FOV Selection

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

φ 4X5



Endo

Endodontic

75 μm

Endo mode shows high definition images

φ 7X7



Teeth

High Resolution | High Definition

100 μm | 150 μm

High contrast images of upper / lower jaw enable accurate diagnosis

φ 8X8



φ 16X8



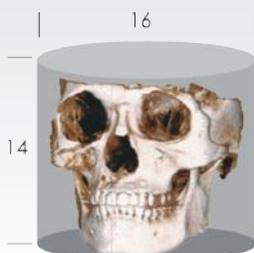
Jaw

Normal Resolution

200 μm

Provides an image of the full arch

φ 16X14



Face

Normal Resolution

400 μm

Full arch including relevant bone areas

High Resolution Computed Tomography Technology

Clearly defined images in three dimensions provide users with accurate diagnostic information

3 in 1 CBCT



CBCT



PANORAMIC



CEPHALOMETRIC

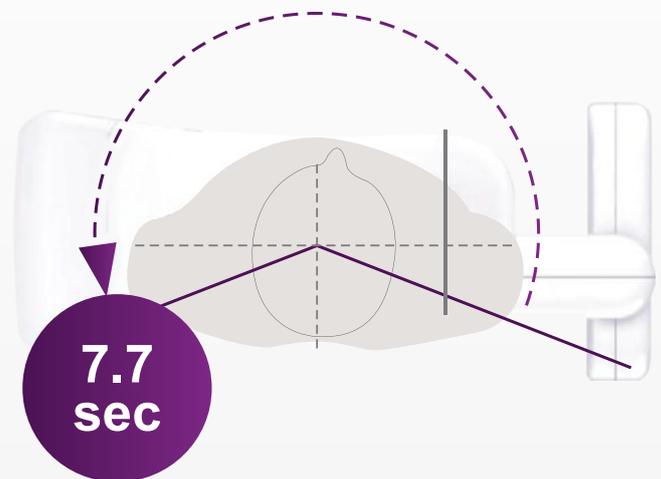
Automated Sensor Switching

Auto -Swing



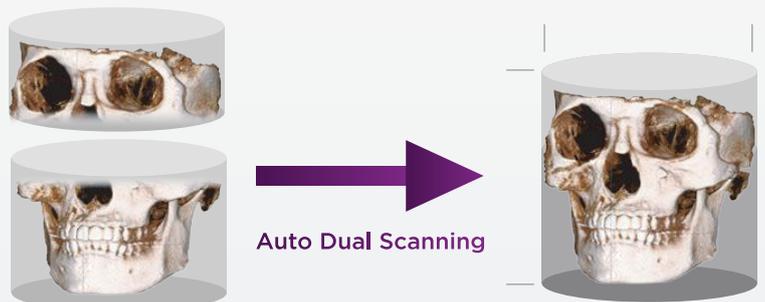
Fast Scanning Mode

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



Auto Dual Scanning CT Technology

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



Improved Image Processing

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



Without SMARF



With SMARF

Cephalometric

Advanced Solution For Orthodontic Diagnosis



AP



SMV



Water View

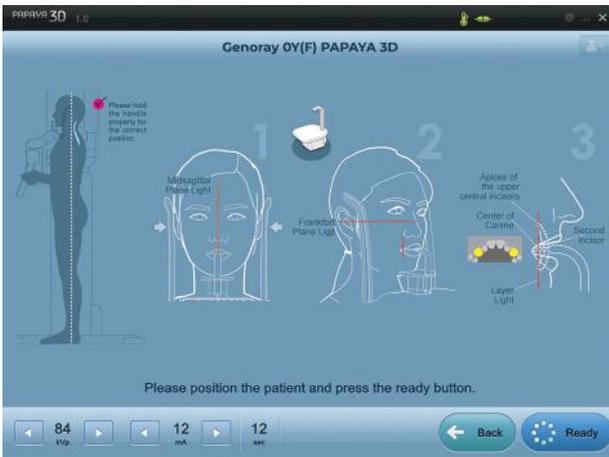


Carpus



- The optimized mechanical structure is designed for symmetrical balance, enhanced safety and durability
- To optimise result, the sensor automatically positions for each exposure mode
- Only 4 seconds for scanning, a cephalo image in fast mode reduces motion artifacts

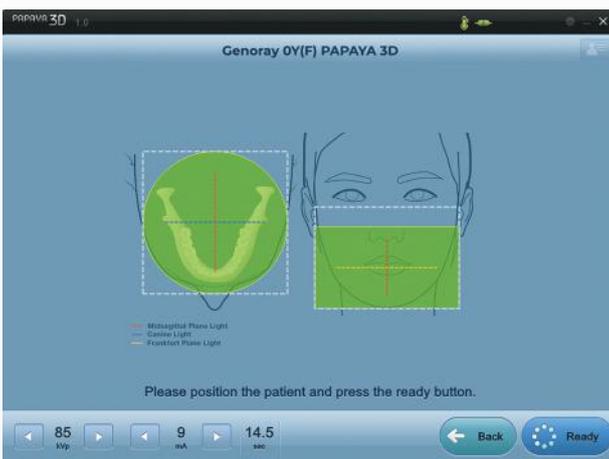
PAPAYA 3D Operation Software



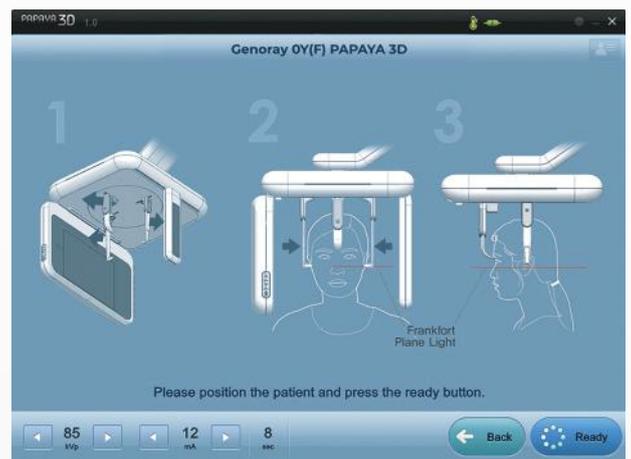
Panoramic Patient Positioning Guide



CBCT Mode



CBCT Patient Positioning Guide



Cephalometric Patient Positioning Guide



Cephalometric Mode



Auto-Positioning Function

Invivo6

Advanced 3D Imaging Software



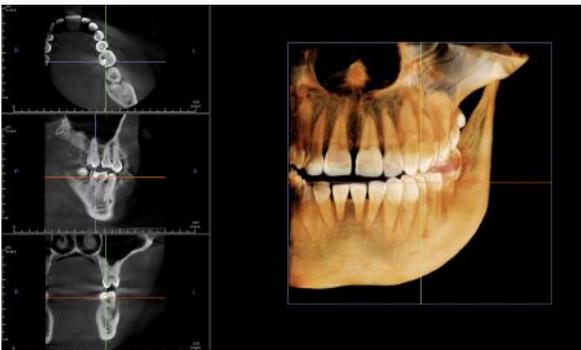
The Invivo dental software is backend by Anatomage, Inc. Which is a medial imaging company composed of a cross-functional team consisting of the most elite researchers, mathematicians, engineers, software developers, business analyst, industry leaders, academic faculty and dental specialists.

POWERFUL

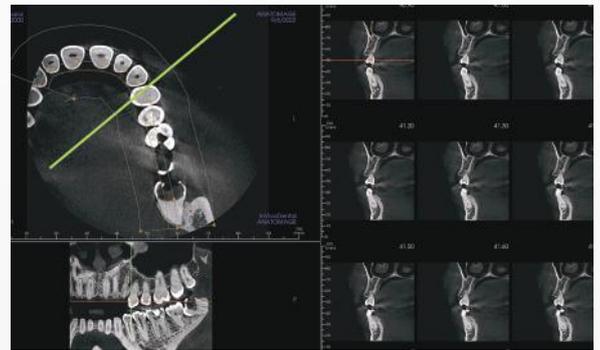
MARKET LEADER

ONE SOFTWARE FOR ALL MODALITIES

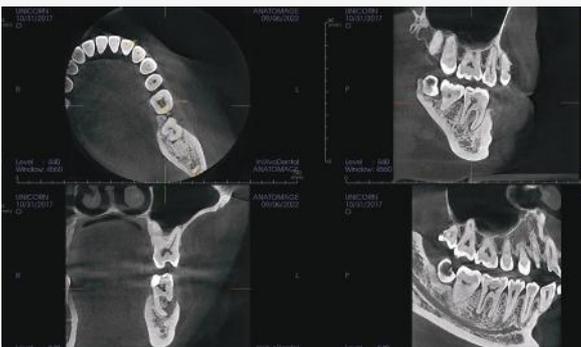
RELIABLE



Layout



MPR

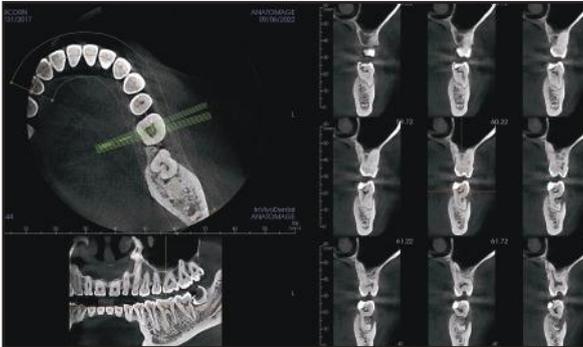


Section View

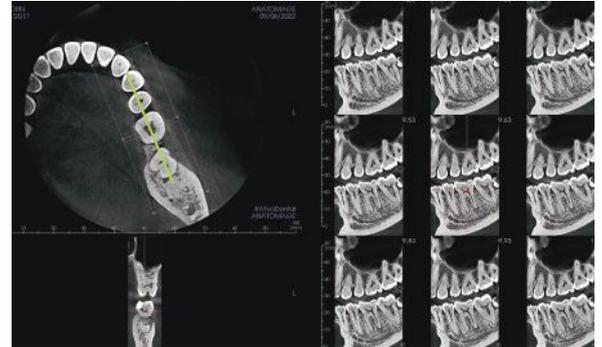


Pano View

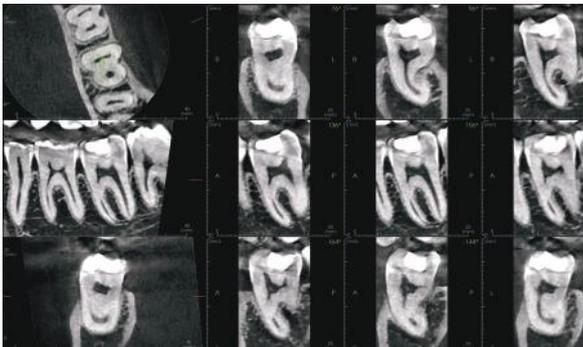
In vivo 6



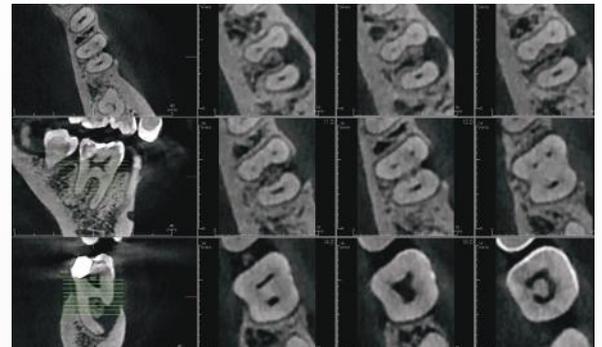
Arch View



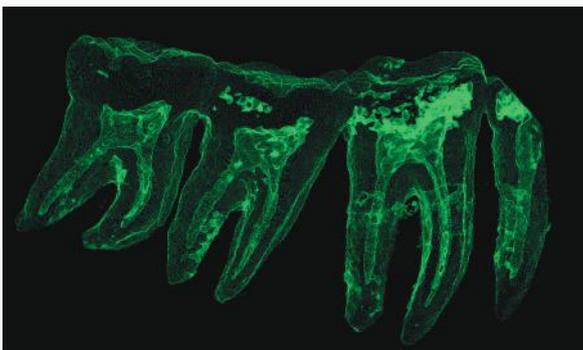
Arch View



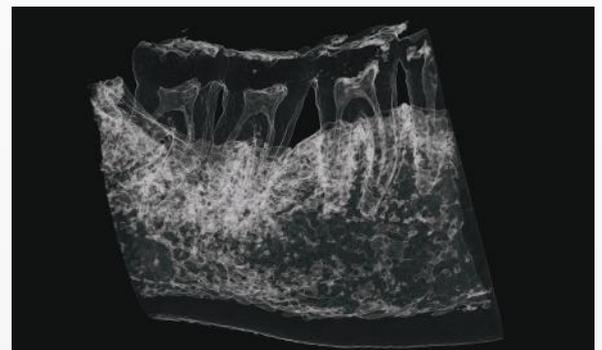
Endo View



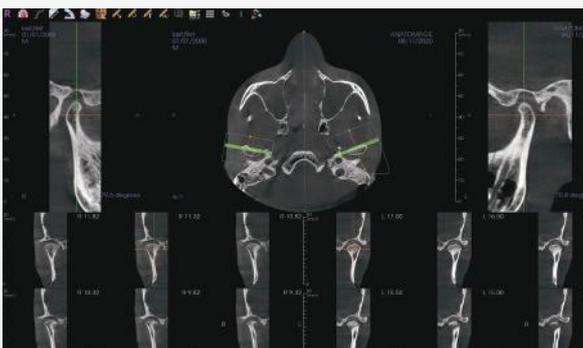
Endo View



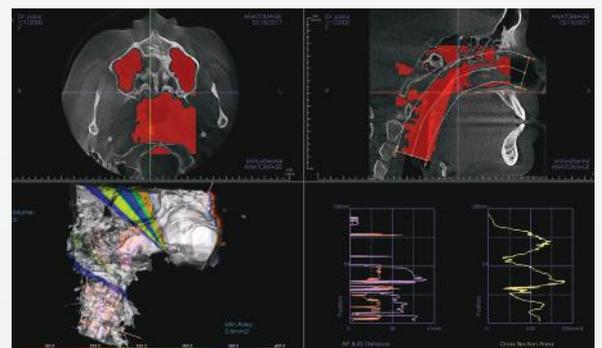
Endo View



Endo View



TMJ View



Airway Analysis View

3D CT

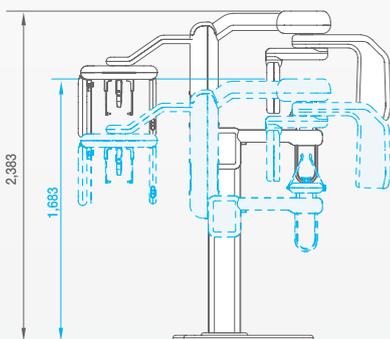
PAPAYA 3D Technical Specification

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

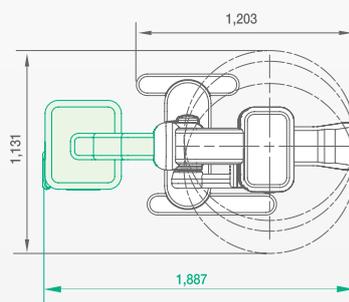
Exposure Time	CT	Panoramic	Cephalometric
Pixel Pitch	100 x 100 μm	75 x 75 μm	75 x 75 μm
Active Area	130.2 x 128 mm	152 x 6.5 mm	228 x 6.5 mm

Dimensions



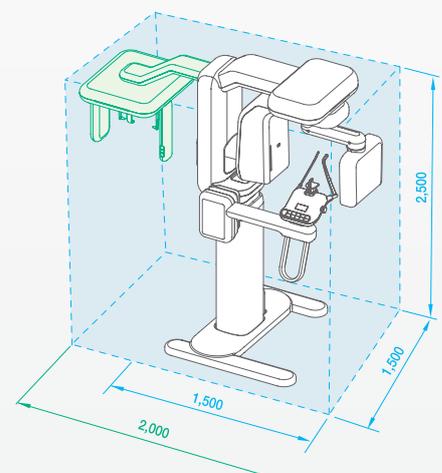
PAPAYA 3D

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



Our Esteemed Clients of CBCT

S. No.	Doctor Name	City	State
1	Dr. Rahul Kumar	Purnea	Bihar
2	Dr. Vivek Kumar	Bhagalpur	Bihar
3	Mr. Sukhwinder Singh	Chandigarh	Chandigarh
4	Dr. Avni Dixit	Chandigarh	Chandigarh
5	Lumenare Dentofacial Imaging	Durg	Chhatisgarh
6	Dr. Radhika Sahni	Delhi	Delhi
7	Dr. Vikram Gandhi	Delhi	Delhi
8	Dr. Brij Sabharwal	Delhi	Delhi
9	College Of Dental Science And Research Centre	Ahemadabad	Gujarat
10	Karnavati School Of Dentistry	Gandhi Nagar	Gujarat
11	Dr. Shrey Italia	Ahemadabad	Gujarat
12	Dr. Pankaj Ishwarbhai Hotchandani	Ahmedabad	Gujarat
13	Dr. Vipul Patel	Rajkot	Gujarat
14	Manav Rachna Dental College	Faridabad	Haryana
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16	Celara Diagnostics Private Limited	Bengaluru	Karnataka
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24	Dr. Naresh S Thakur	Mumbai	Maharashtra
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26	Signature Smiles	Mumbai	Maharashtra
27	Diagnosys Plus Technologies	Pune	Maharashtra
28	Tata Memorial Centre	Parle	Maharashtra
29	Yavatmal CBCT Centre	Yavatmal	Maharashtra
30	Family Dental Care.. Nigeria	Overseas	Overseas
31	Dr. Deepak Dawar	Zirakpur	Punjab
32	Dr. Varun Chadha	Jalandhar	Punjab
33	Dr. Hardik Parekh	Amritsar	Punjab
34	Dr. Murugavel	Chennai	Tamilnadu
35	Dr. B. Akilananth	Coimbatore	Tamilnadu
36	Institute Of Dental Studies & Technologies	Modi Nagar	Uttar Pradesh



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RADIOGRAPHIC EXCELLENCE



GENORAY

CBCT, Panoramic, Cephalometric, Model Scanning

PAPAYA 3D Premium Plus

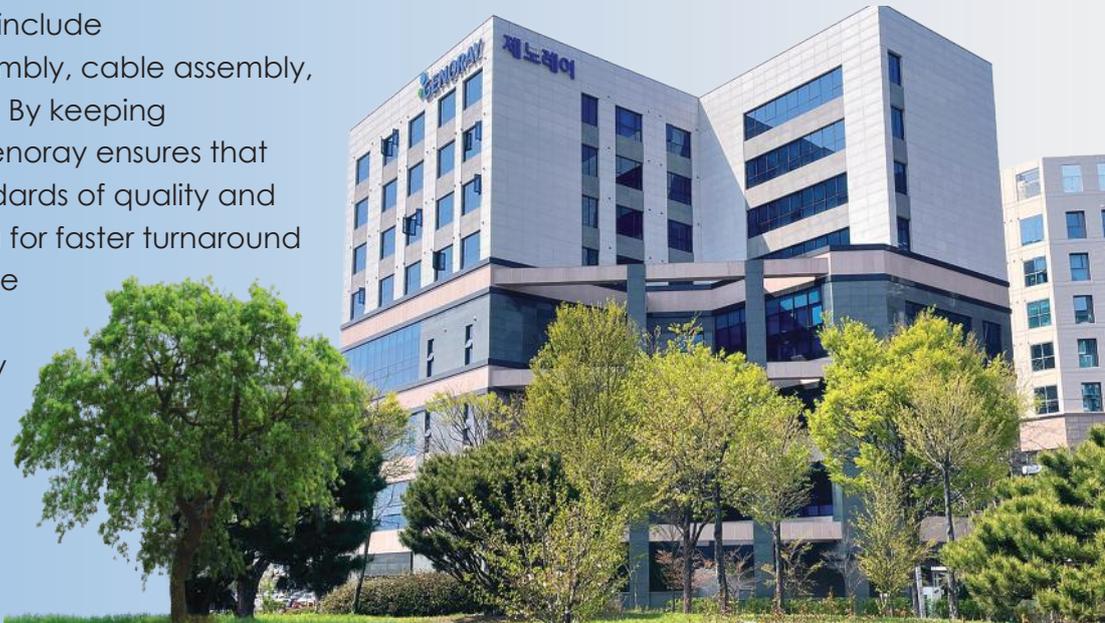
4-in-1 CBCT Machine



UNICORN DenMart 
Behind The Best Indian Dentists

In House Manufacturing

Genoray is a Medical & Dental equipment manufacturer that offers in-house manufacturing of its products. This means that the company has complete control over the production process, from design to assembly, allowing for strict quality control. Genoray's in-house manufacturing capabilities include injection molding, PCB assembly, cable assembly, and final product assembly. By keeping manufacturing in-house, Genoray ensures that its products meet high standards of quality and reliability while also allowing for faster turnaround times and the ability to make modifications quickly. This approach enables Genoray to maintain a competitive edge in the market and provide its customers with top-quality medical & dental equipment.



Continuous R&D Investment

- ▲ 8-10% Investment in Annual Sales
- ▲ 30% of all Researchers have Masters & Doctorates
- ▲ R&D Performance - 72 Cases (Government, External & Self)
- ▲ Intellectual Property - 47 Patents, 27 Trademarks
- ▲ Certification Status - 85 Cases (Domestic & International)

R&D through cross-over by Different Sectors

- ▲ Integrated Management of Medical & Dental Research
- ▲ Specialized Technology by Sector - R&D



Internalization of Core Technology

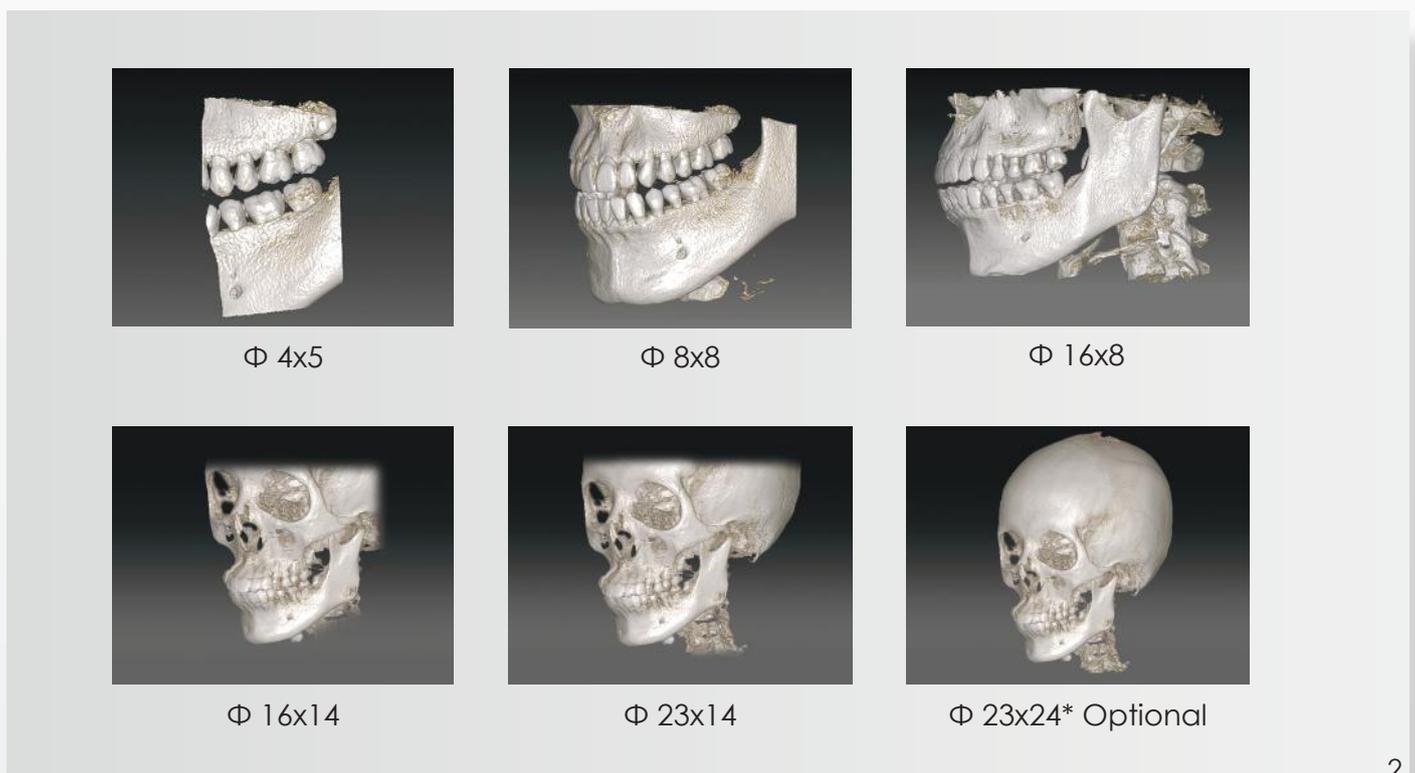
- ▲ Manufacturing Technology of X-Ray Generators
- ▲ Inhouse development of Flat Panel Detectors
- ▲ 3D Image Processing with Correction Algorithm
- ▲ Dedicated Software Development - THEIA, TRIANNA

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.



Panoramic

Multi Focus

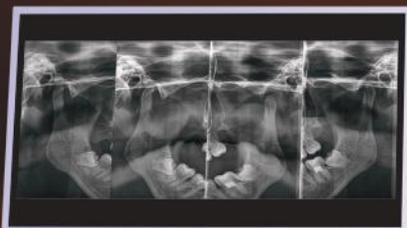
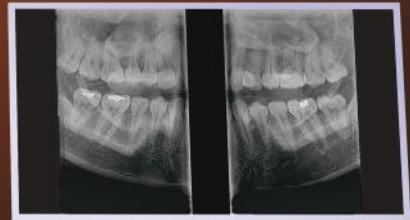
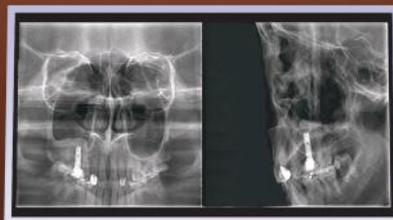
Helps acquire the best optimized image from the multiple panoramic images acquired.

The multi-focus function overcomes patient mis-positioning. The user is therefore able to find the most optimally-focused choice from a selection of images.



Standard Panoramic
Orthogonal Panoramic
Bitewing Panoramic
TMJ PA Double
TMJ LAT-PA Double

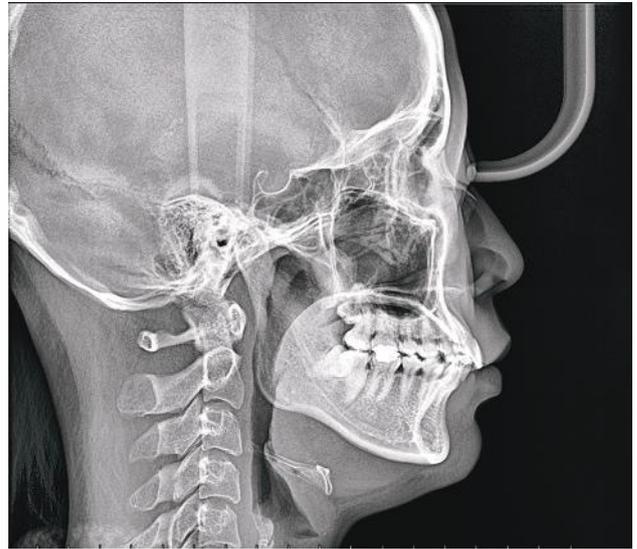
TMJ Lateral Double
TMJ LAT-PA
Sinus Lateral & Sinus PA
Child Panoramic
Segmented View



Ceph



Ultra fast mode (2 sec)



Normal mode (8 sec)

Various Radiation Exposures



HD



Normal



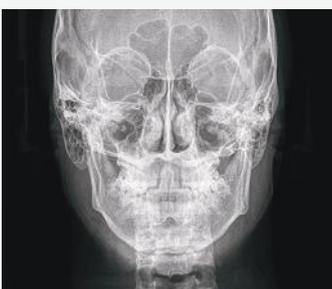
Fast



Ultra fast

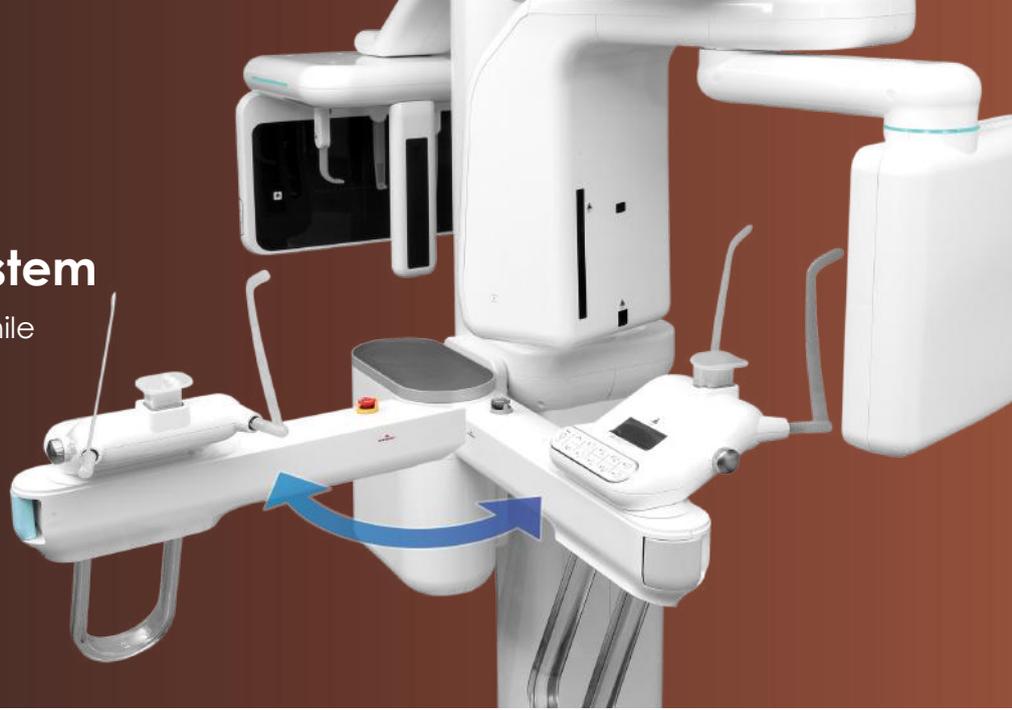
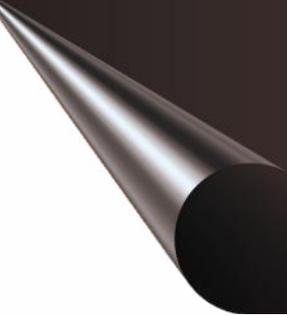
Multiple Exposure Modes For Cephalometric

Lateral, AP, PA, Water's view, Submento vertex and Carpus



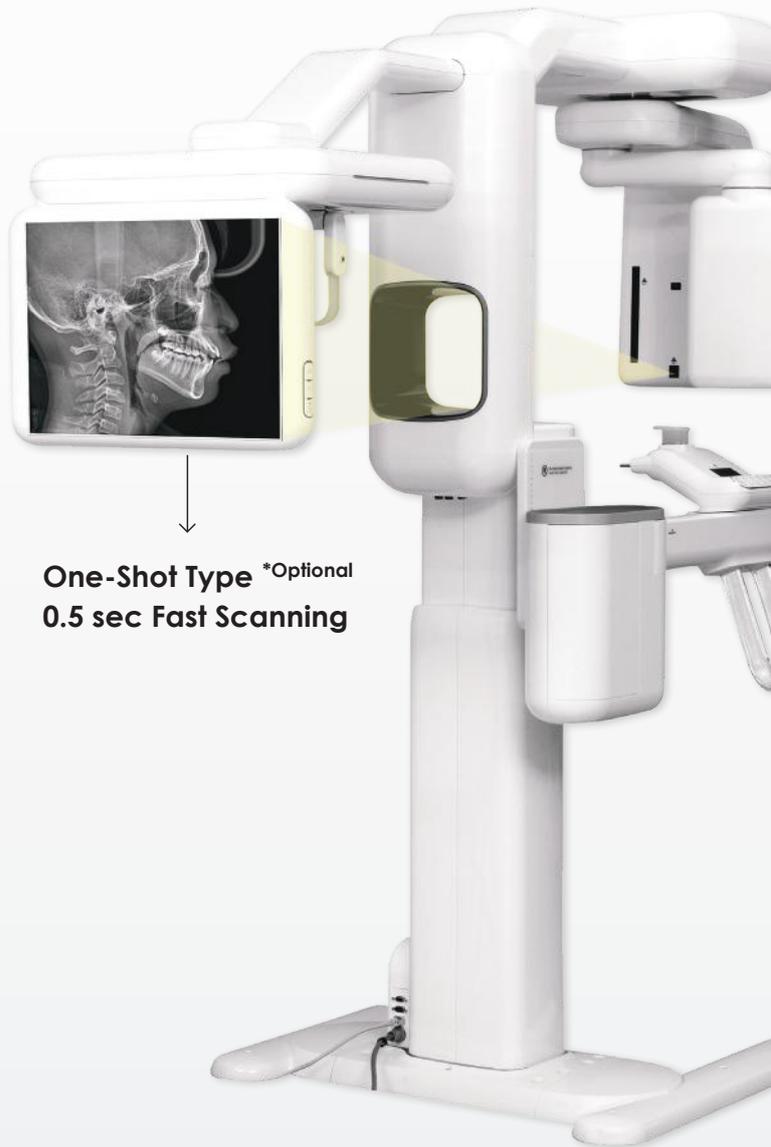
Foldable Chinrest System

Convenient patient positioning while saving room space



Easy access for disabled patients

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



One-Shot Type *Optional
0.5 sec Fast Scanning

Chair *Optional

Minimizes the patient's movements to help reduce patient's motion artifacts





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

Improved image processing

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



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



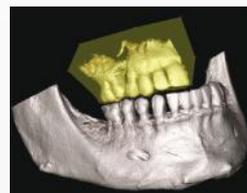
Complete Implant Library



Support for DICOM 3.0

STL Export

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



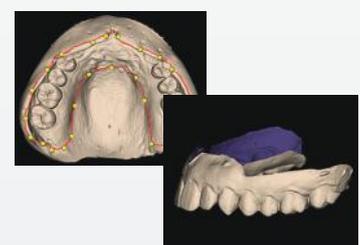
Patient Scan



Stone Model Scan



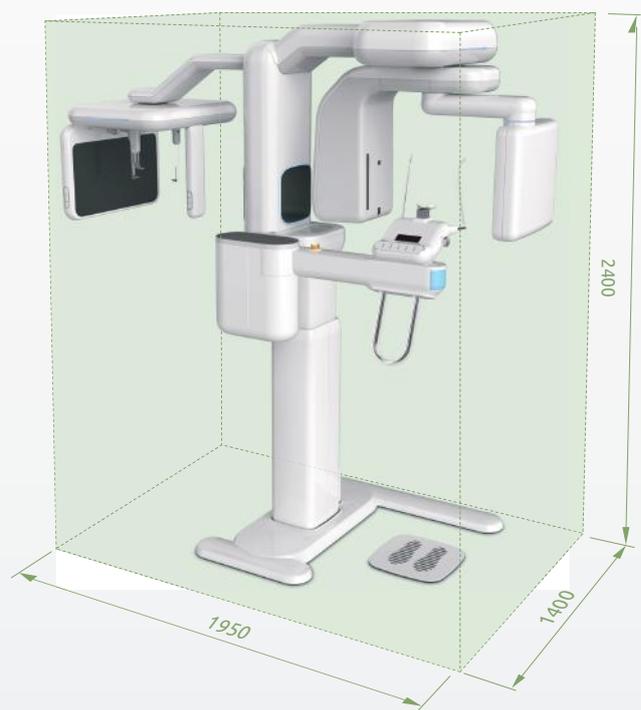
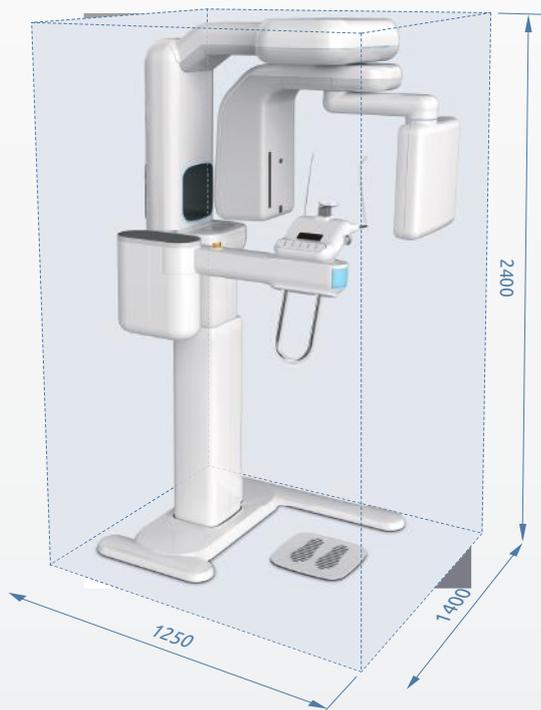
Impression Model Scan



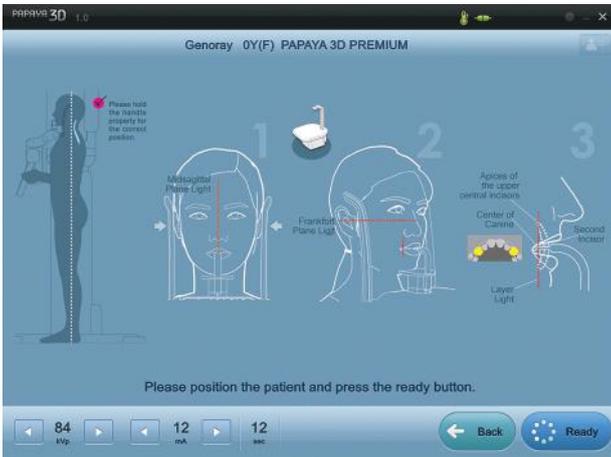
General Specifications

Items	Option	FOV/ROI (max, mm)	Voxel (μm)	Detector		Exp. Time sec
				Pitch (μm)	Size (mm)	
CT	NV	40X50~ 160 X 140	75~400	100 X 100	130 X 130	7.7/14.5
	LV	40X50~ 230 X 245	75~400	179 X 179	229X229	7.7/14.5
Cephalometric	SC	300X225	-	75X75	228X6.5	2~12
	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



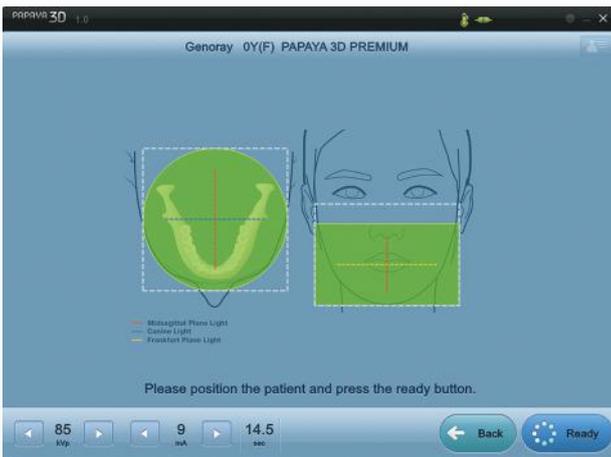
PAPAYA 3D Premium Operation Software



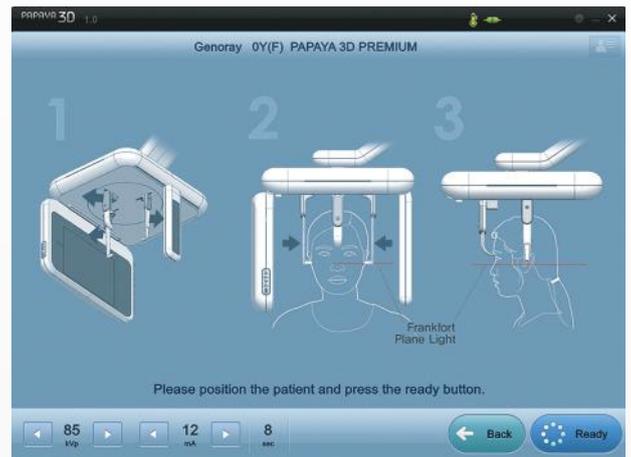
Panoramic Patient Positioning Guide



CBCT Mode



CBCT Patient Positioning Guide



Cephalometric Patient Positioning Guide



Cephalometric Mode



Auto-Positioning Function

In vivo 7

Advanced 3D Imaging Software

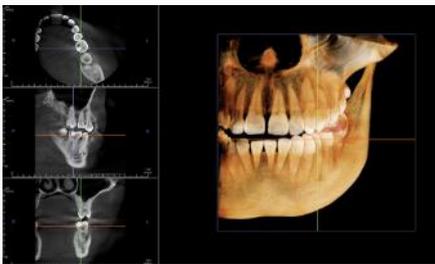


POWERFUL

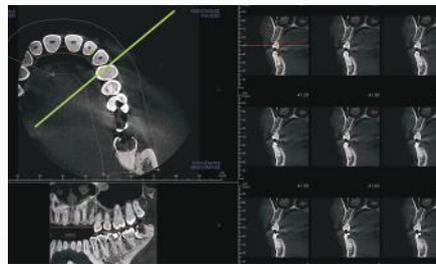
MARKET LEADER

ONE SOFTWARE FOR ALL MODALITIES

RELIABLE



Layout



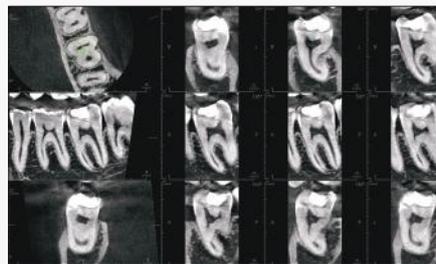
MPR



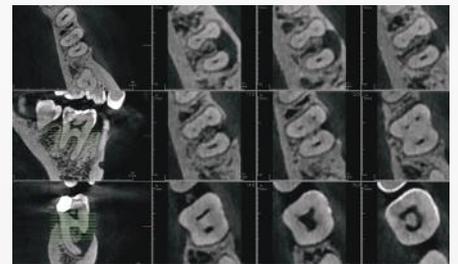
Section View



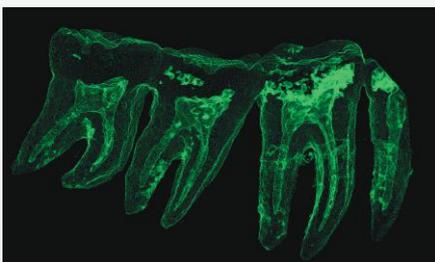
Pano View



Endo View



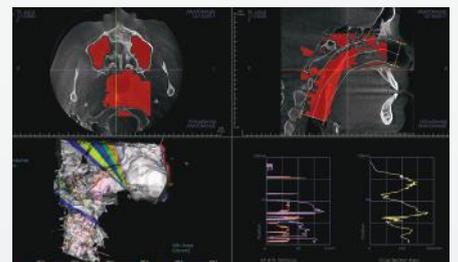
Endo View



Endo View



TMJ View



Airway Analysis View

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S. No.	Doctor Name	City	State
1	Dr. Rahul Kumar	Purnea	Bihar
2	Dr. Vivek Kumar	Bhagalpur	Bihar
3	Mr. Sukhwinder Singh	Chandigarh	Chandigarh
4	Dr. Avni Dixit	Chandigarh	Chandigarh
5	Lumenare Dentofacial Imaging	Durg	Chhatisgarh
6	Dr. Radhika Sahni	Delhi	Delhi
7	Dr. Vikram Gandhi	Delhi	Delhi
8	Dr. Brij Sabharwal	Delhi	Delhi
9	College Of Dental Science And Research Centre	Ahemadabad	Gujarat
10	Karnavati School Of Dentistry	Gandhi Nagar	Gujarat
11	Dr. Shrey Italia	Ahemadabad	Gujarat
12	Dr. Pankaj Ishwarbhai Hotchandani	Ahmedabad	Gujarat
13	Dr. Vipul Patel	Rajkot	Gujarat
14	Manav Rachna Dental College	Faridabad	Haryana
15	SNM Hospital	Leh	Jammu & Kashmir
16	Celara Diagnostics Private Limited	Bengaluru	Karnataka
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* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

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