

• GENORAY

PAPAYA 3D^{Plus}

Combination Imaging System

1 Scan 3 Images

3 Dedicated Detectors

CBCT

Panoramic

Cephalometric

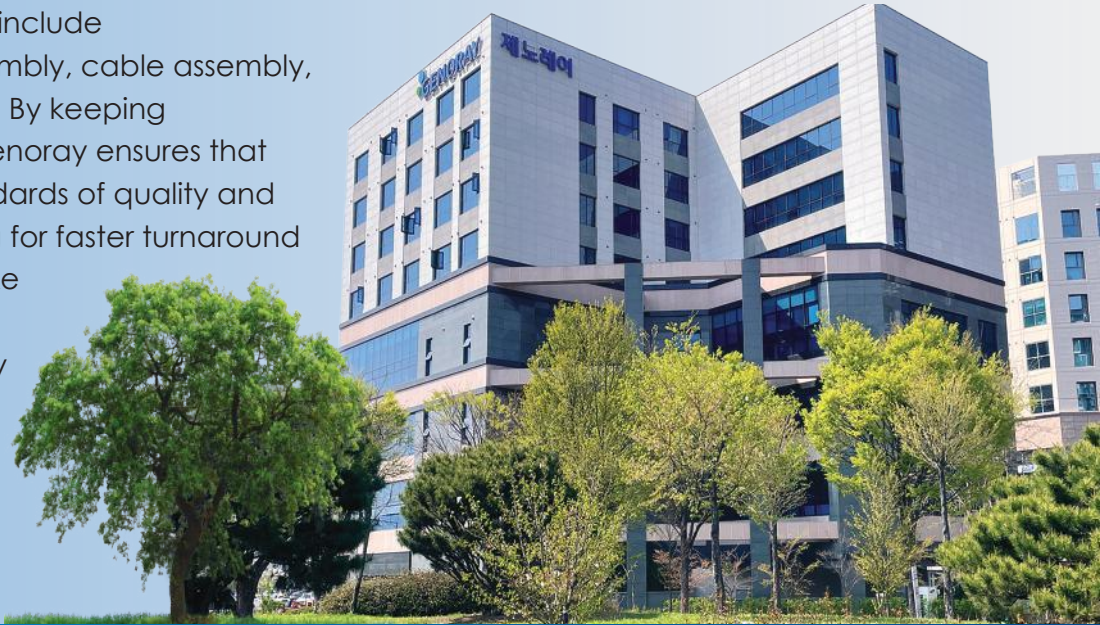


UNICORN[®]
DenMart
Behind The Best Indian Dentists

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.



PANORAMIC SENSOR
CT SENSOR

CEPHALOMETRIC

All Axis Motorized Movement

(Up/Down/Left/Right)



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.

CBCT



Panoramic

Ceph



Multi-FOV Selection

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

φ 4X5



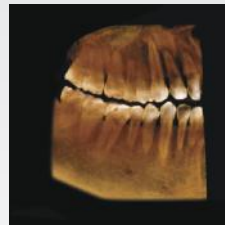
Endo

Endodontic

75 μm

Endo mode shows high definition images

φ 7X7



Teeth

High Resolution | High Definition

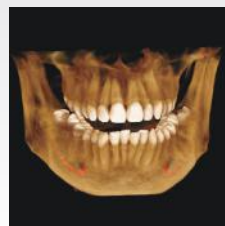
100 μm | 150 μm

High contrast images of upper / lower jaw enable accurate diagnosis

φ 8X8



φ 16X8



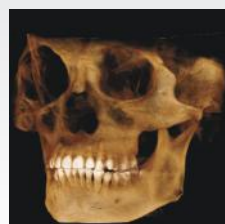
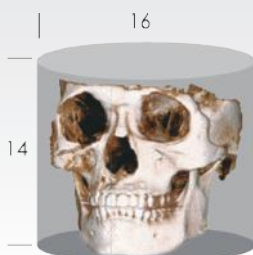
Jaw

Normal Resolution

200 μm

Provides an image of the full arch

φ 16X14



Face

Normal Resolution

200 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

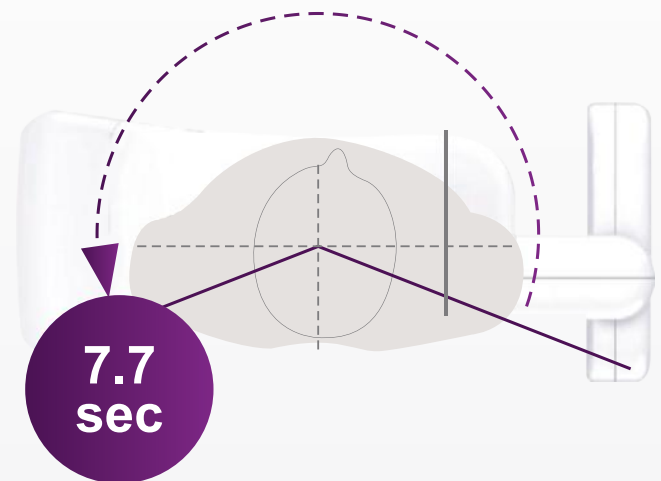
Automated Sensor Switching

Auto -Swing



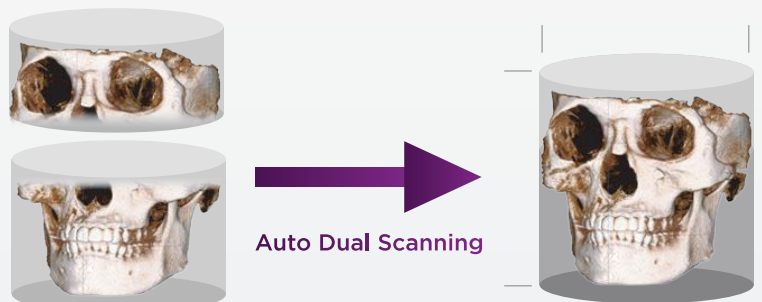
Fast Scanning Mode

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



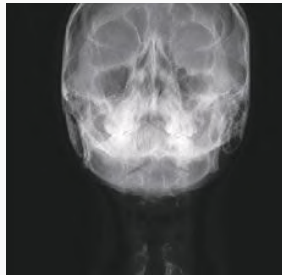
With SMARF

Cephalometric

Advanced Solution For Orthodontic Diagnosis



AP



SMV



Water View

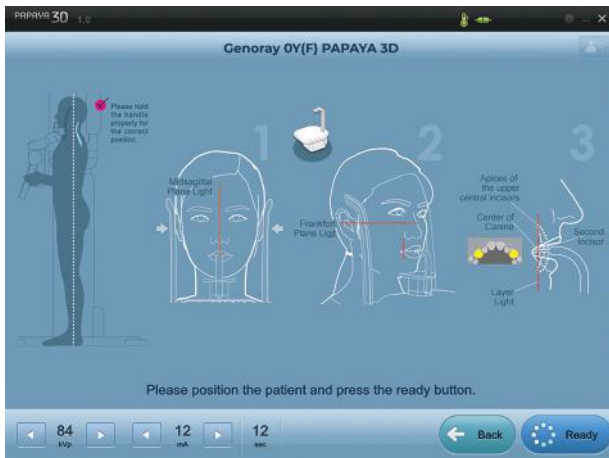


Carpus



- 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

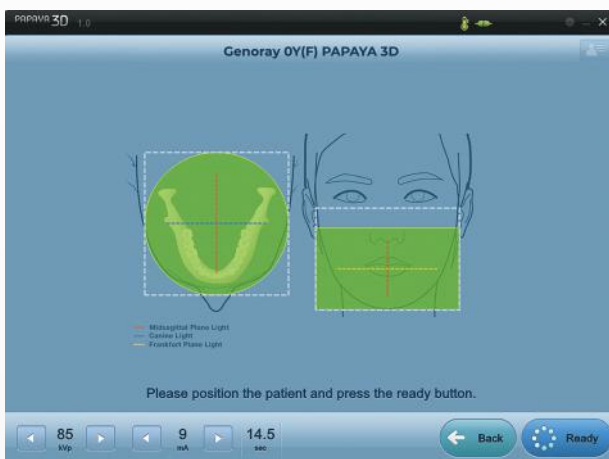
PAPAYA 3D Operation Software



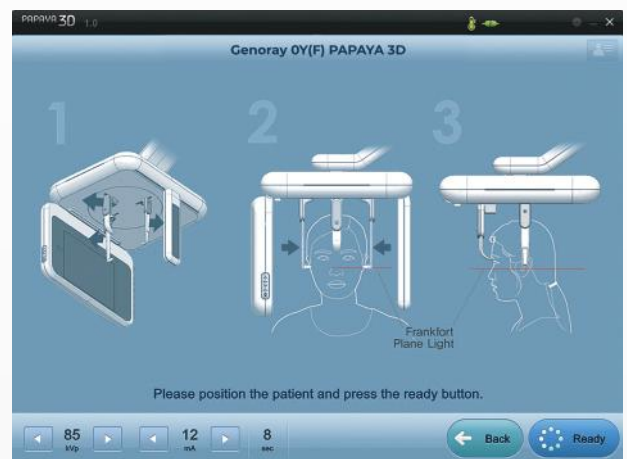
Panoramic Patient Positioning Guide



CBCT Mode



CBCT Patient Positioning Guide



Cephalometric Patient Positioning Guide



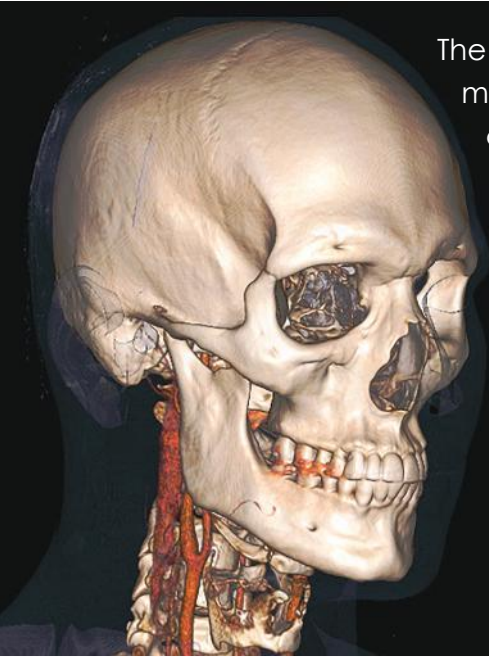
Cephalometric Mode



Auto-Positioning Function

In vivo7

Advanced 3D Imaging Software



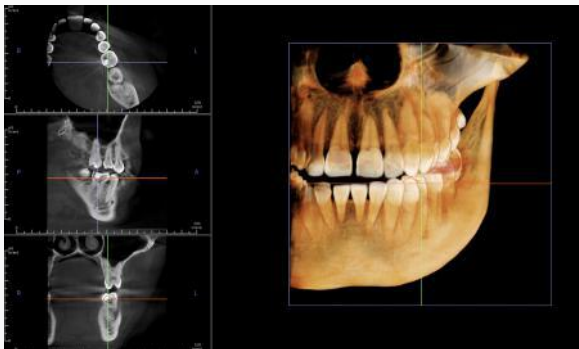
The In vivo dental software is backend by Anatomage, Inc. Which is a medial imaging company composed of a cross-functional team consisting of the most elite researchers, mathematicians, engineers, software developers, business analyst, industry leaders, academic faculty and dental specialists.

POWERFUL

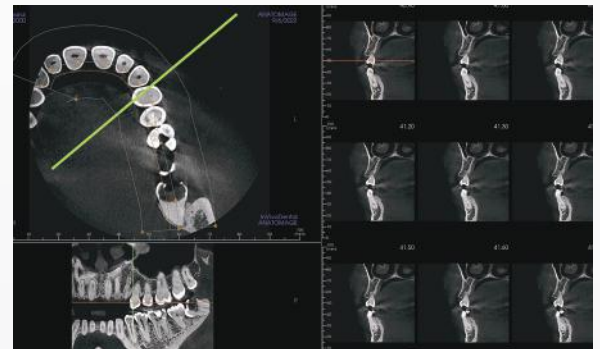
MARKET LEADER

ONE SOFTWARE FOR ALL MODALITIES

RELIABLE



Layout



MPR

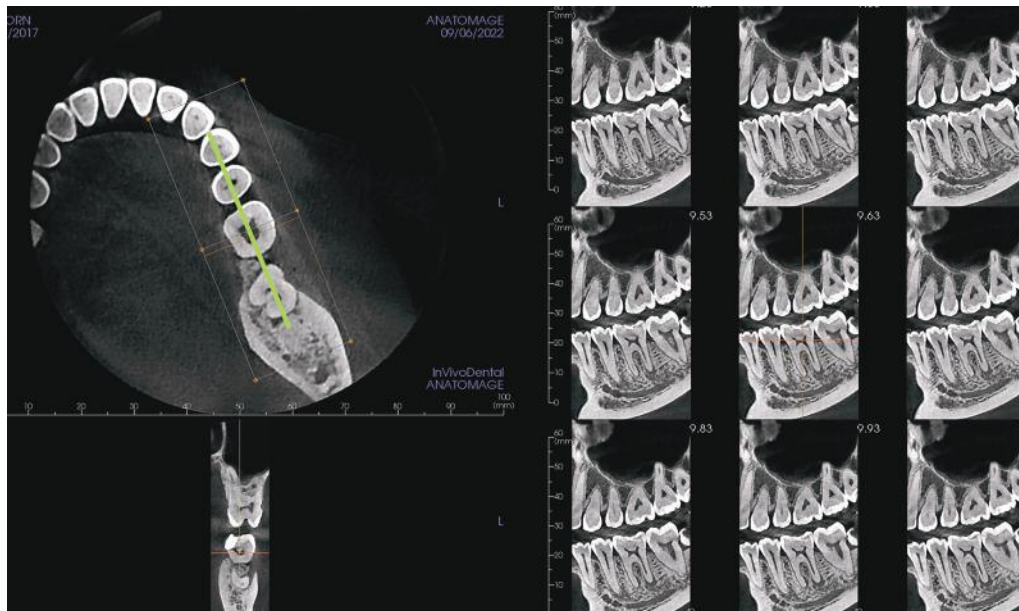


Section View

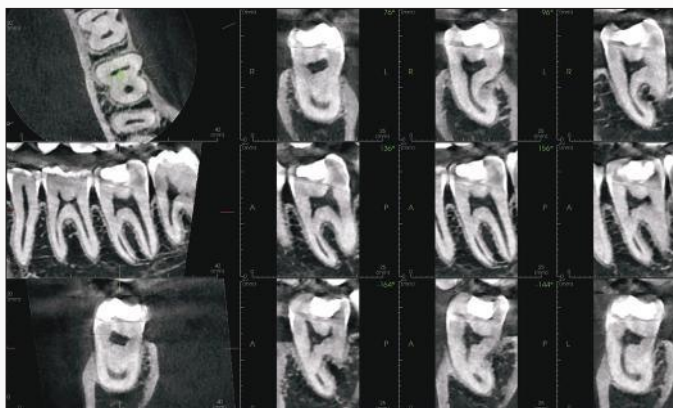


Pano View

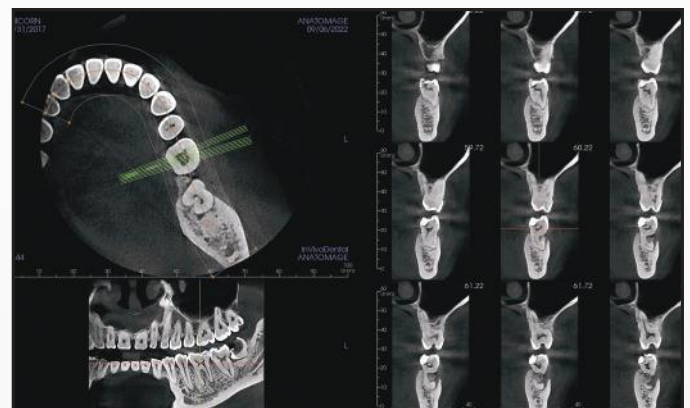
InVivo7



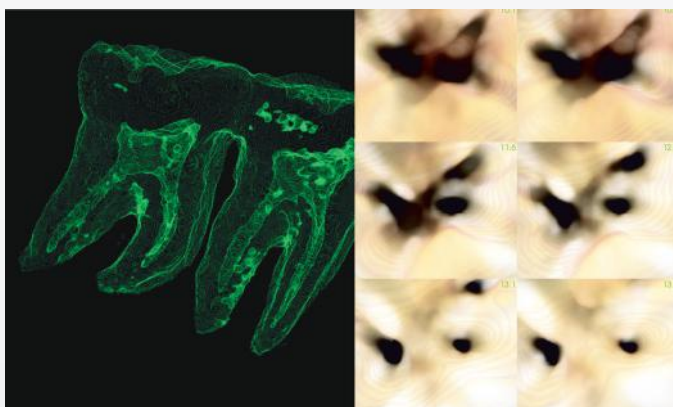
Arch View



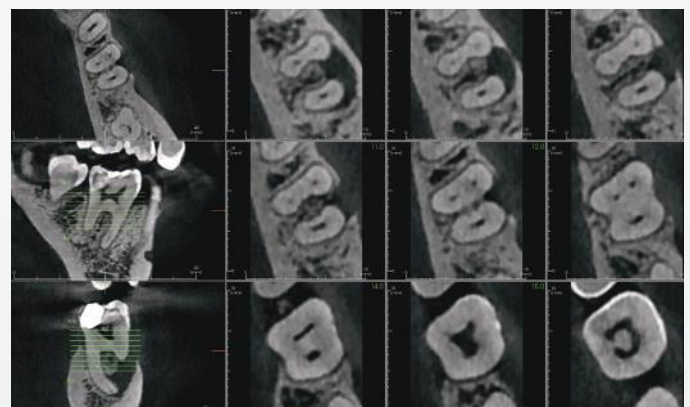
Endo View



Arch View



Pulp & Endoscopy View

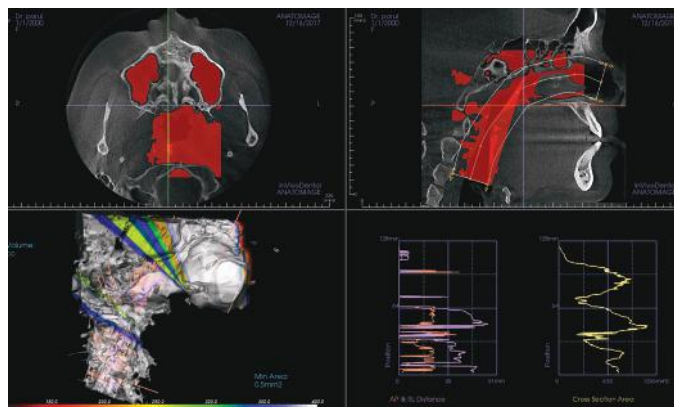


Endo View

ivivo7



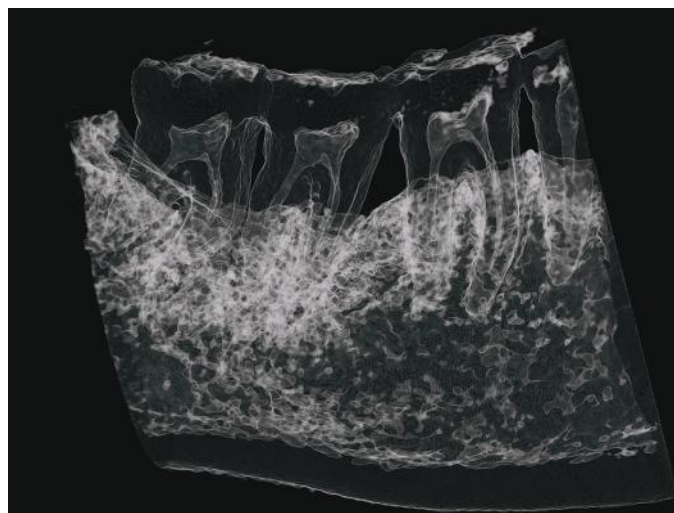
TMJ View



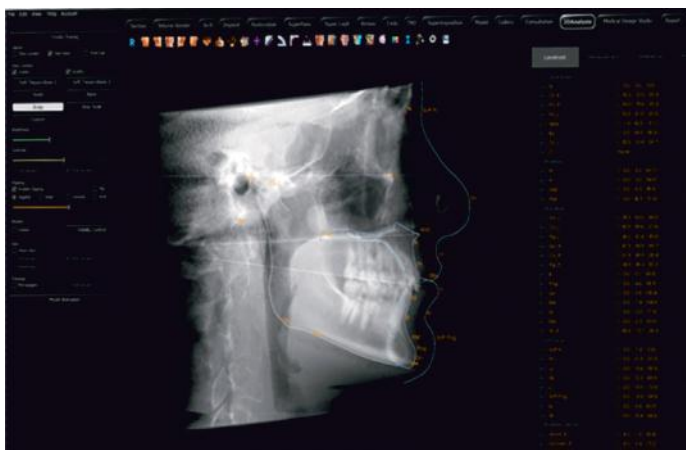
Airway Analysis View



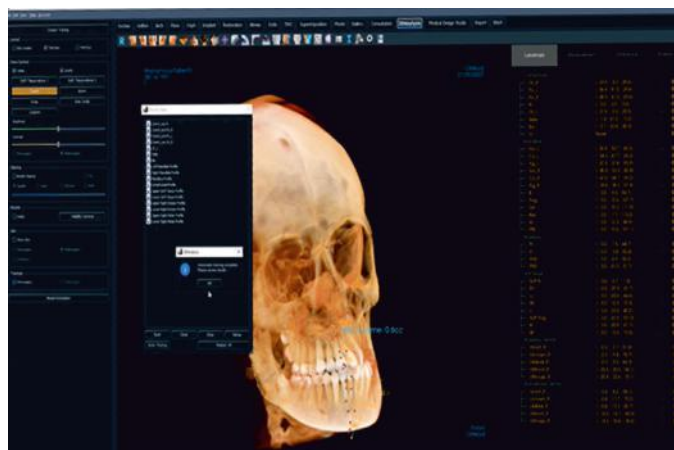
Automated Surgical cuts



Endo View



AI-Driven Cephalometric Tracing



Compatible With 2D Analysis

3D CT

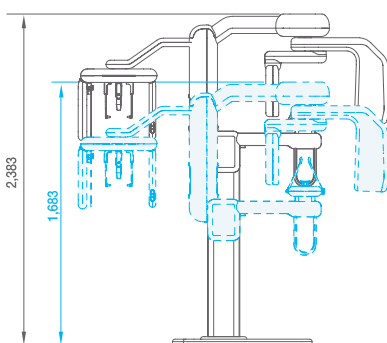
PAPAYA 3D Technical Specification

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

Sensor

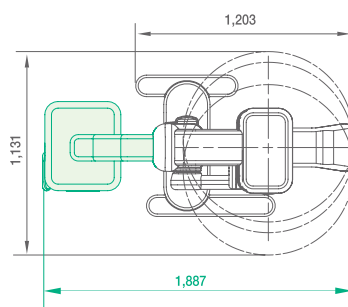
Exposure Time	CT	Panoramic	Cephalometric
Pixel Pitch	100 x 100 μ m	75 x 75 μ m	75 x 75 μ m
Active Area	130.2 x 128 mm	152 x 6.5 mm	228 x 6.5 mm

Dimensions



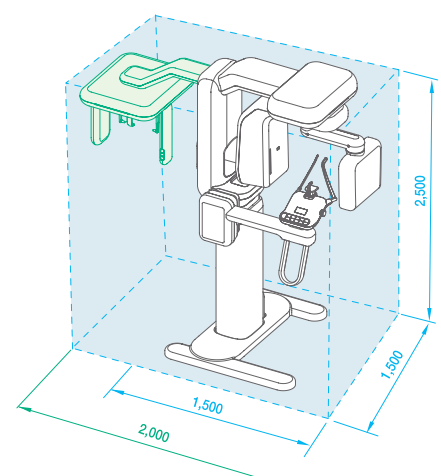
PAPAYA 3D

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's Name	City
1	Dr. Avni Dixit	Chandigarh
2	Dr. Radhika Sahni	Delhi
3	Dr. Vipul Gothi	Gujarat
4	DVGS Dental Lab	Bengaluru
5	Gurmeet Imaging	Mumbai
6	Signature Smiles	Mumbai
7	Cerela Diagnostic	Bengaluru
8	Dr. G. D. Aggarwal	Bhopal, MP
9	College of Dental Science and Research Inst.	Bopal, Gujarat
10	IDST	Modi Nagar, UP
11	Dr. Bakshi	Nashik
12	Dr. B. Akilanath	Coimbatore, Tamilnadu
13	Dr. Deepak Dawar	Chandigarh
14	Yavatmal CBCT Centre	Yavatmal, Maharashtra
15	SNM Hospital, Mr. Rinchen	Leh, Ladakh
16	Dr. Pankaj Hotchandani	Ahmedabad
17	Tata Hospital	Mumbai
18	Manav Rachna Dental College	Faridabad
19	Dr. Vivek Kumar	Bhagalpur
20	Karnawati Dental College	Ahmedabad
21	Dr. G D Aggarwal	Bhopal, MP
22	Dr. Brij Sabharwal	Lajpat Nagar, Delhi
23	Dr. Murugavel	Chennai
24	Health Wave Diagnostic & Lab	Wayanad, Kerala
25	Mr. Jaisal P	Mallapuram, Kerala
26	Dr. Rahul Kumar	Purnea, Bihar
27	Dr. Shrey Italia	Ahmedabad
28	Way to Care & Cure Diagnostic Centre	Kharghar, Mumbai
29	Diagnosis Plus Technologies	Pune, Maharashtra
30	Lumenare Dentfacial Imaging	Durg
31	Dr. Tony Thomas	Kerala
32	Dr. Hardik Parekh	Amritsar
33	Dr. Vikram Gandhi	South Ext, New Delhi
34	Dr. Varun Chadha/Sahib Dental Care	Jalandhar
35	Best Diagnostic/Sukhwinder Singh	Chandigarh
36	Dr. Chandresh Shukla	Bhopal, MP
37	Dr. Pranjal Sirohi	Greater Noida
38	Dr. Om Prakash	Amritsar
39	Dr. G Sivaram	Chennai
40	Dr. Manpreet Singh	Moradabad
41	Dr. Amit Parekh	Vadodra
42	Dr. Chandra Sekhar Khuntia	Bargarh, Odisha
43	Dr. Aarti Singh	Ghaziabad

S. No	Doctor's Name	City
44	Raj Jindal Hospital & Research Centre Pvt. Ltd.	Bharatpur, Rajasthan
45	KDC Dental Academy	Bangalore, Karnataka
46	Dr. Sanjay Wadhawan	Delhi
47	Mithila Minority Dental College	Darbhanga
48	Mahavir Diagnostics	Delhi
49	Dr. Rajeev Jindal	Meerut, UP
50	Dr. V. Sethuraman	Virudhachalam
51	Dr. Deenadayalan S	Madurai
52	Indira Gandhi Dental College & Hospital	Amphala, Jammu
53	Govt Medical College & Hospital	Kathua, Jammu
54	MRK Diagnostics	Panvel, Maharashtra
55	Jaisal P	Kerala
56	Dr. Harsh Goyal	Janakpuri, Delhi
57	Dr. Vikas Kumar Aggarwal	Muzzafarpur
58	Edens Dental & Maxillofacial Hospital	Kanyakumari, Tamilnadu
59	Dr. V. Deiveegan	Perambalur, Tamilnadu
60	Dr. Dhiraj Naik	Goa
61	OM X-Ray	Rourkela, Odisha
62	Dr. Ruchika Singh	Ranchi, Jharkhand
63	Dr. Pratik Rajendra Doshi	Pandharpur, Solapur, Pune
64	Chiron Cosmetic & Dental Hospital, Dr. Hari Pavithran	Coimbatore
65	Dr. Roshan Kolhe	Mulund, Mumbai
66	Dr. Hemant Mali	Nathdwara, Rajasthan
67	Dr. Biju Thomas	Kochi, Kerala
68	Adhavan Diabities Foundation India Pvt. Ltd	Kanchipuram, Tamilnadu
69	RKDF	Bhopal, MP
70	Dr. M. Shanmugam	Chennai, Tamilnadu
71	Dr. Vikas Kumbhani	Ahmedabad
72	Adhavan Diabities Foundation India Pvt Ltd	Kanchipuram
73	Dr. Ramesh Kumar	Salem
74	Dr. Surya Prakash	Cuddapa, AP
75	Dr. Navneet Kaur	Karol Bagh, Delhi
76	Dr. Navneet Singh Randhawa	Mohali
77	Regional Drug Whare House	Srinagar, J&K
78	Regional Drug Whare House	Anantnag, J&K

and many more to go...



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Warranty Ke Baad Bhi**

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New Rajender Nagar, New Delhi – 110060

    /unicornndenmart.com

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

Ver 02/2025

RADIOGRAPHIC EXCELLENCE



• GENORAY

CBCT, Panoramic, Cephalometric, Model Scanning

PAPAYA 3D Premium Plus

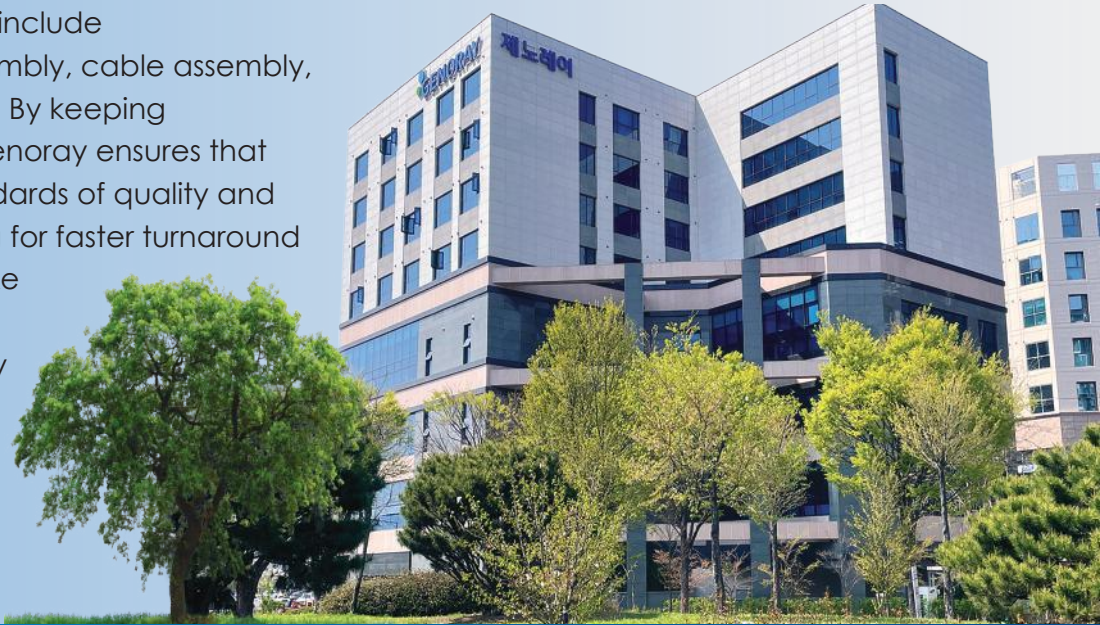
4-in-1 CBCT Machine



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In House Manufacturing

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- ▲ 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

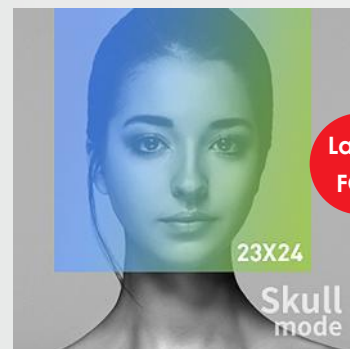
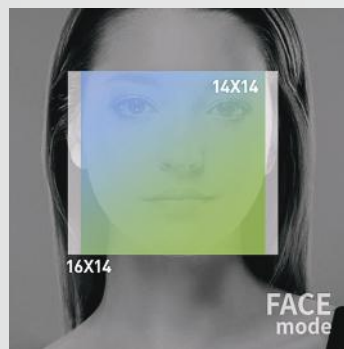
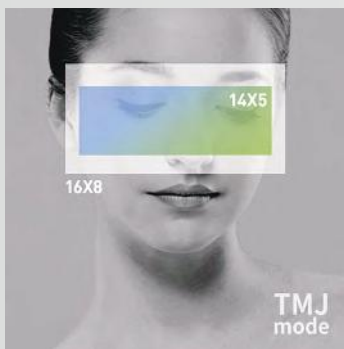
- ▲ Manufacturing Technology of X-Ray Generators
- ▲ Inhouse development of Flat Panel Detectors
- ▲ 3D Image Processing with Correction Algorithm
- ▲ Dedicated Software Development - THEIA, TRIANNA

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.



Φ 4x5 (75 μm)



Φ 7x7 (100 μm) | Φ 8x8 150 μm)



Φ 16x8 (200 μm)



Φ 16x14 (200 μm)



Φ 23x14 (400 μm)



Φ 23x24* Optional (400 μm)

Panoramic

Multi Focus

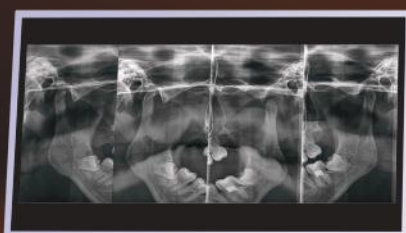
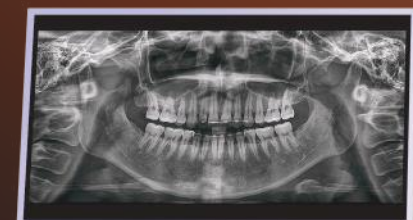
Helps acquire the best optimized image from the multiple panoramic images acquired.

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

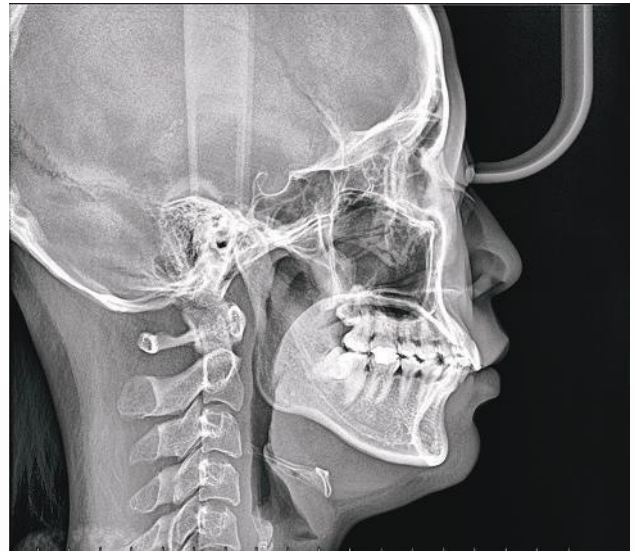
TMJ Lateral Double
TMJ LAT-PA
Sinus Lateral & Sinus PA
Child Panoramic
Segmented View



Ceph



Ultra fast mode (2 sec)



Normal mode (8 sec)

Various Radiation Exposures



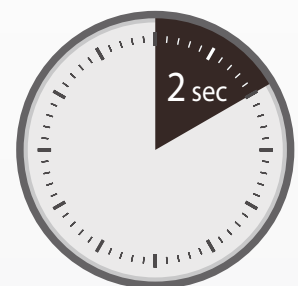
HD



Normal



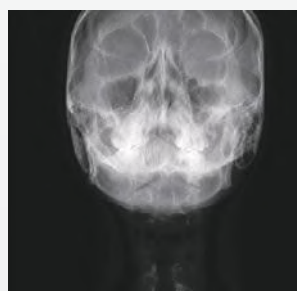
Fast



Ultra fast

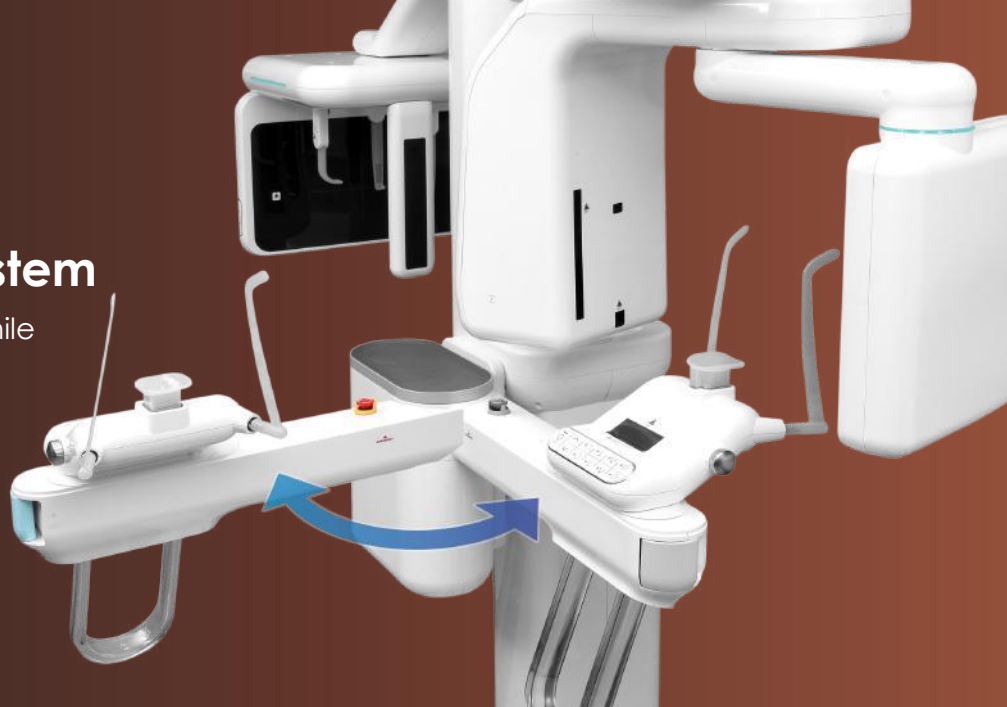
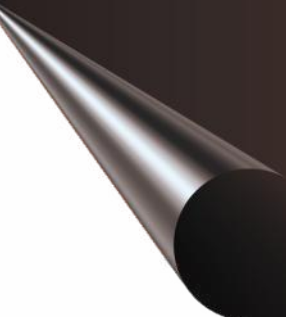
Multiple Exposure Modes For Cephalometric

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



Foldable Chinrest System

Convenient patient positioning while saving room space



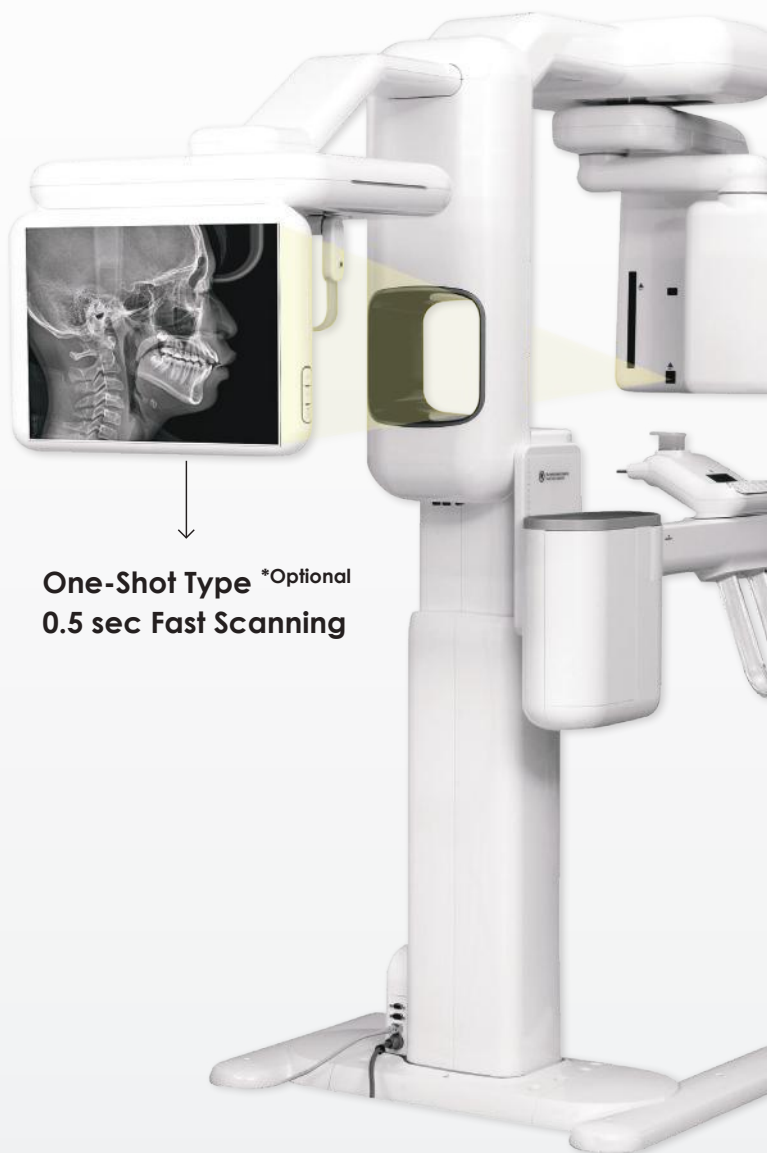
Easy access for disabled patients

Chair *Optional

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



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



One-Shot Type *Optional
0.5 sec Fast Scanning



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

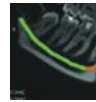


Image Color-mapping

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

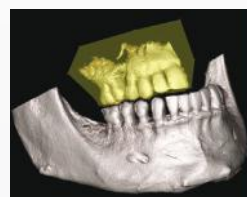
Improved image processing

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.



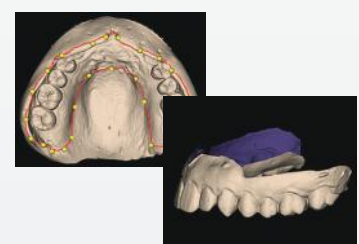
Patient Scan



Stone Model Scan



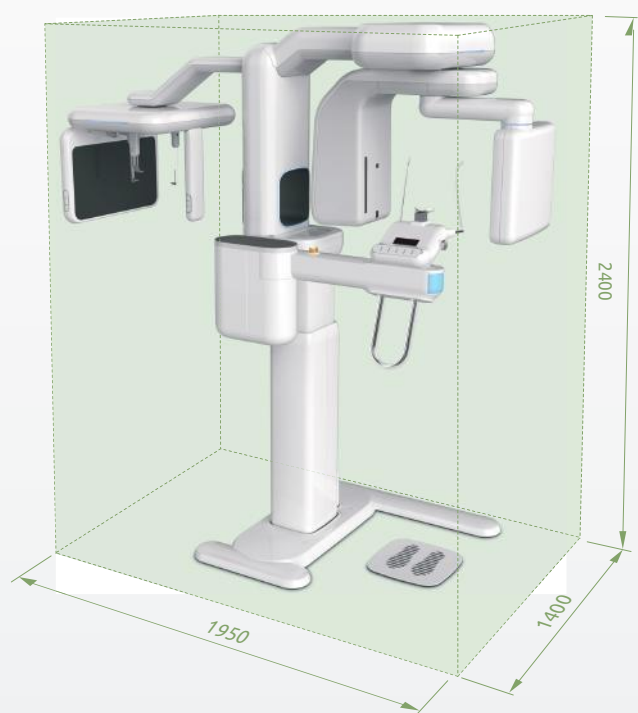
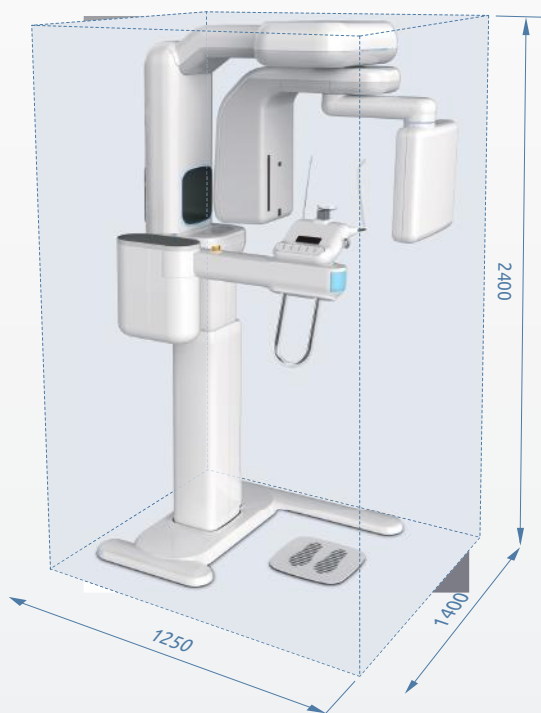
Impression Model Scan



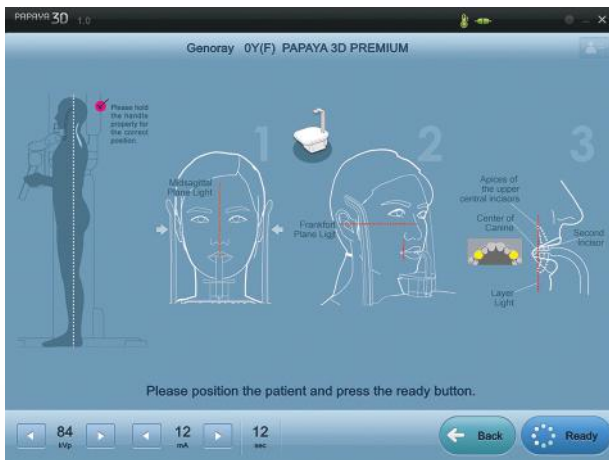
General Specifications

Items	Option	FOV/ROI (max, mm)	Voxel (μm)	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
	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



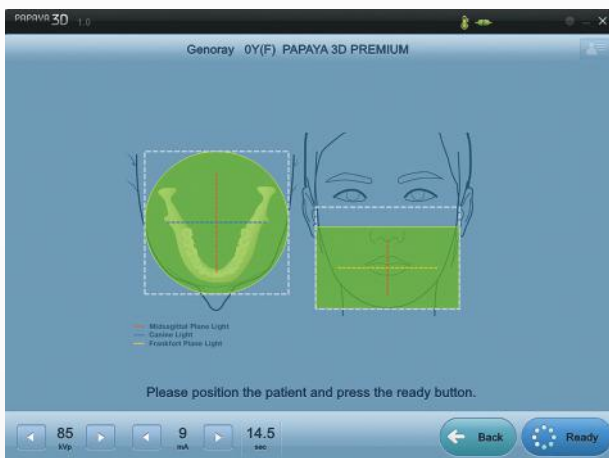
PAPAYA 3D Premium Operation Software



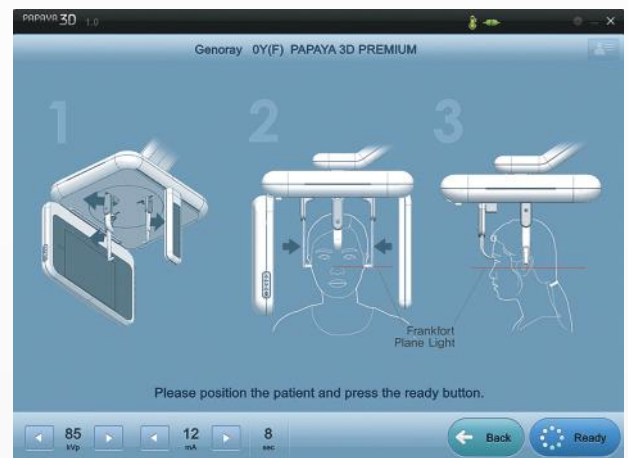
Panoramic Patient Positioning Guide



CBCT Mode



CBCT Patient Positioning Guide



Cephalometric Patient Positioning Guide



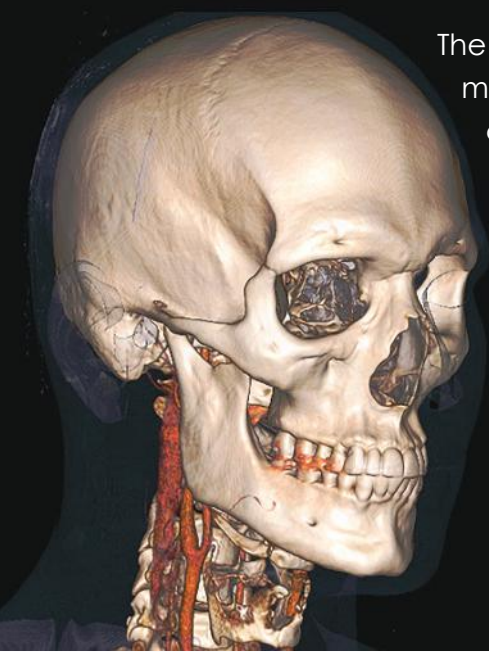
Cephalometric Mode



Auto-Positioning Function

Invivo7

Advanced 3D Imaging Software



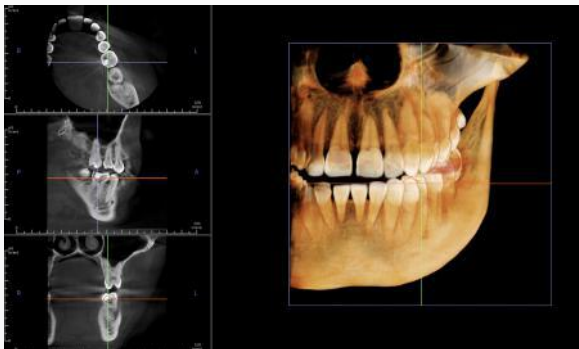
The Invivo dental software is backend by Anatomage, Inc. Which is a medial imaging company composed of a cross-functional team consisting of the most elite researchers, mathematicians, engineers, software developers, business analyst, industry leaders, academic faculty and dental specialists.

POWERFUL

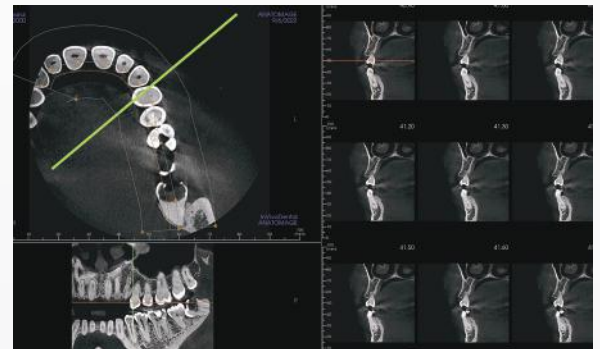
MARKET LEADER

ONE SOFTWARE FOR ALL MODALITIES

RELIABLE



Layout



MPR

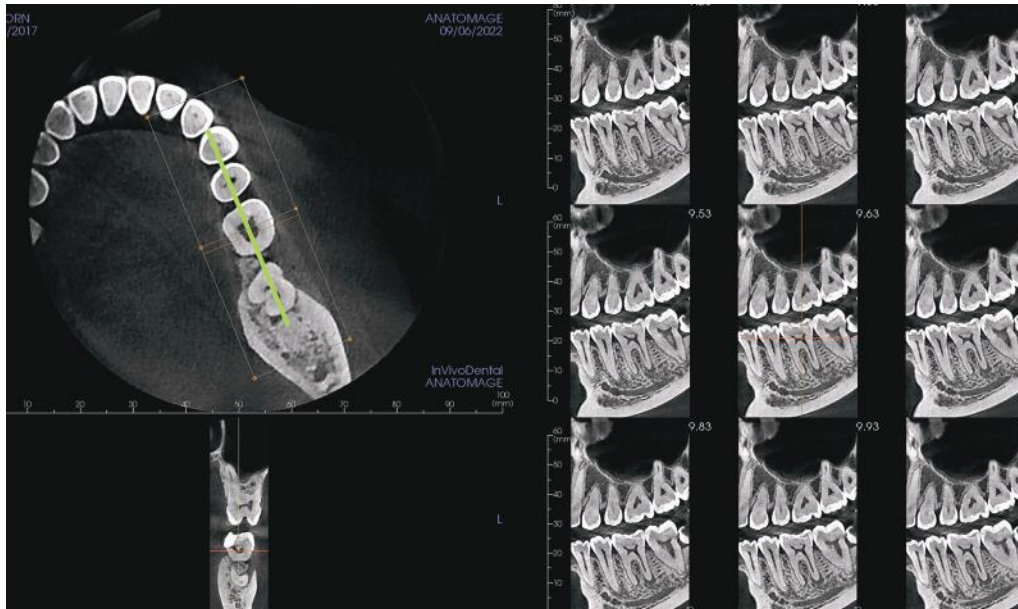


Section View

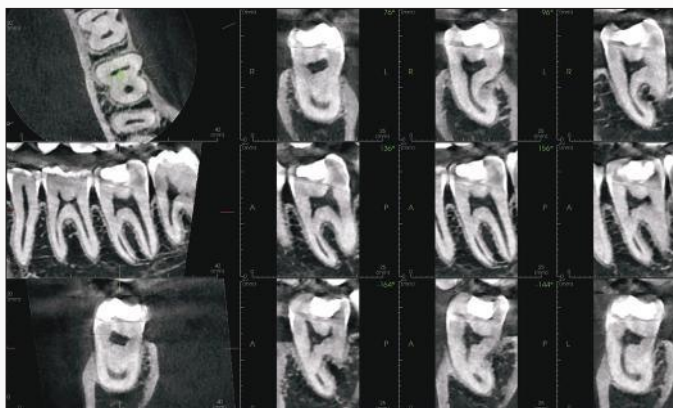


Pano View

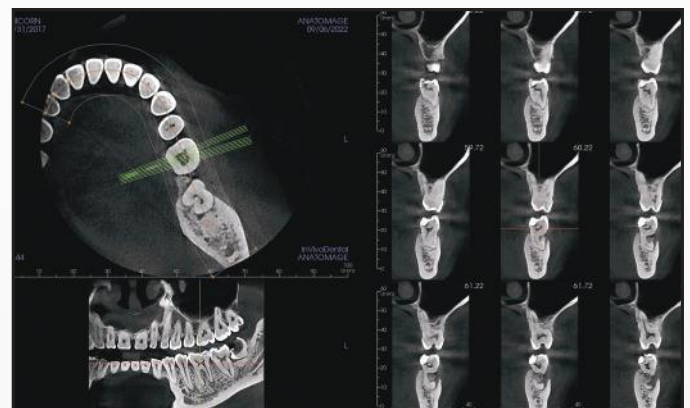
Invivo7



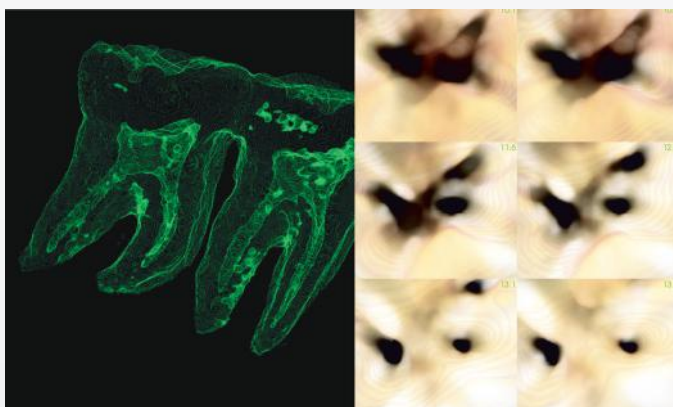
Arch View



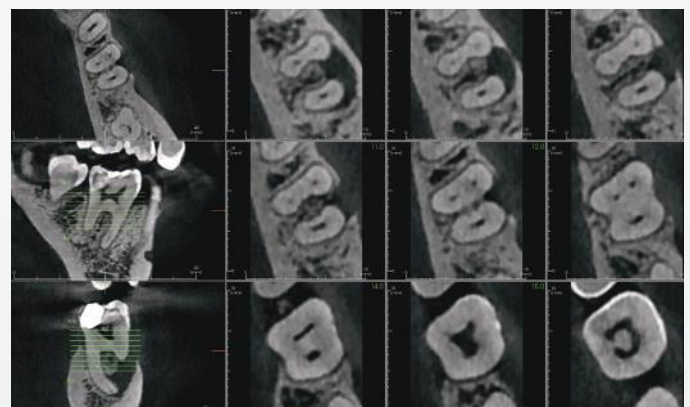
Endo View



Arch View



Pulp & Endoscopy View

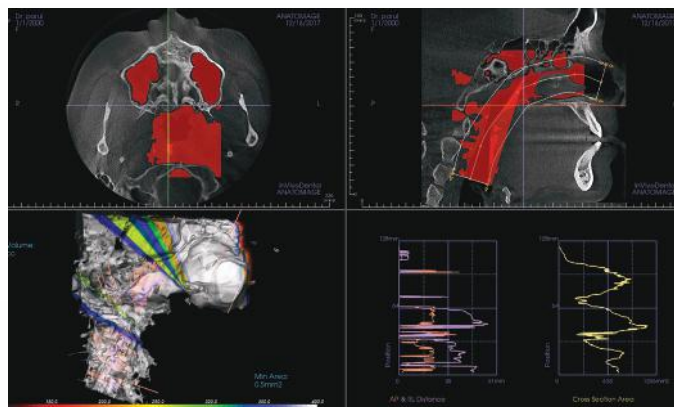


Endo View

invivo7



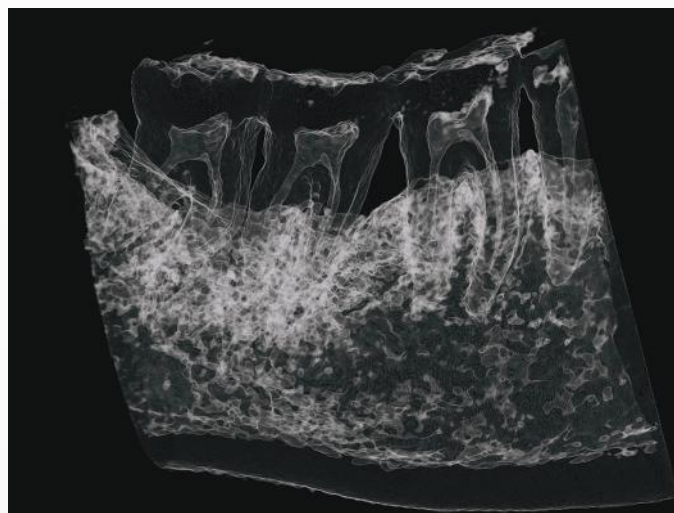
TMJ View



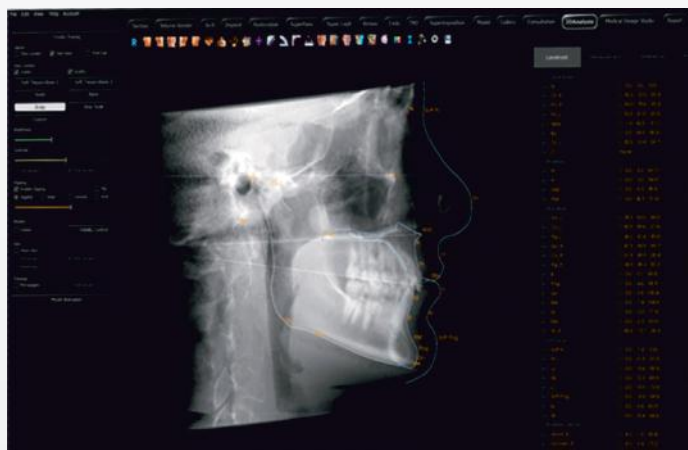
Airway Analysis View



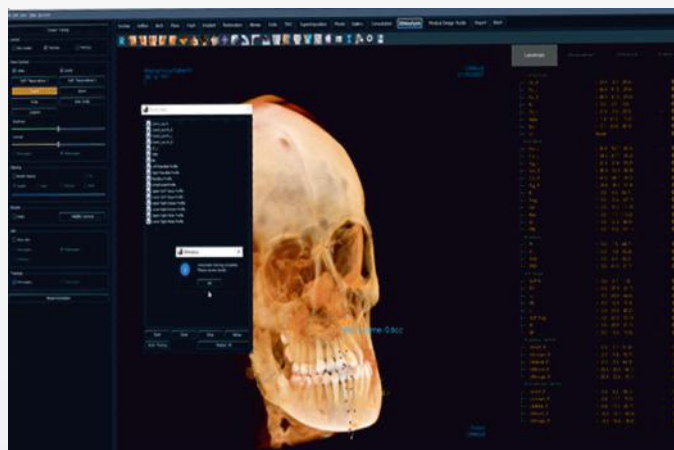
Automated Surgical cuts



Endo View



AI-Driven Cephalometric Tracing



Compatible With 2D Analysis

Our Esteemed Clients of CBCT

S. No	Doctor's Name	City
1	Dr. Avni Dixit	Chandigarh
2	Dr. Radhika Sahni	Delhi
3	Dr. Vipul Gothi	Gujarat
4	DVGS Dental Lab	Bengaluru
5	Gurmeet Imaging	Mumbai
6	Signature Smiles	Mumbai
7	Cerela Diagnostic	Bengaluru
8	Dr. G. D. Aggarwal	Bhopal, MP
9	College of Dental Science and Research Inst.	Bopal, Gujarat
10	IDST	Modi Nagar, UP
11	Dr. Bakshi	Nashik
12	Dr. B. Akilanath	Coimbatore, Tamilnadu
13	Dr. Deepak Dawar	Chandigarh
14	Yavatmal CBCT Centre	Yavatmal, Maharashtra
15	SNM Hospital, Mr. Rinchen	Leh, Ladakh
16	Dr. Pankaj Hotchandani	Ahmedabad
17	Tata Hospital	Mumbai
18	Manav Rachna Dental College	Faridabad
19	Dr. Vivek Kumar	Bhagalpur
20	Karnawati Dental College	Ahmedabad
21	Dr. G D Aggarwal	Bhopal, MP
22	Dr. Brij Sabharwal	Lajpat Nagar, Delhi
23	Dr. Murugavel	Chennai
24	Health Wave Diagnostic & Lab	Wayanad, Kerala
25	Mr. Jaisal P	Mallapuram, Kerala
26	Dr. Rahul Kumar	Purnea, Bihar
27	Dr. Shrey Italia	Ahmedabad
28	Way to Care & Cure Diagnostic Centre	Kharghar, Mumbai
29	Diagnosis Plus Technologies	Pune, Maharashtra
30	Lumenare Dentfacial Imaging	Durg
31	Dr. Tony Thomas	Kerala
32	Dr. Hardik Parekh	Amritsar
33	Dr. Vikram Gandhi	South Ext, New Delhi
34	Dr. Varun Chadha/Sahib Dental Care	Jalandhar
35	Best Diagnostic/Sukhwinder Singh	Chandigarh
36	Dr. Chandresh Shukla	Bhopal, MP
37	Dr. Pranjal Sirohi	Greater Noida
38	Dr. Om Prakash	Amritsar
39	Dr. G Sivaram	Chennai
40	Dr. Manpreet Singh	Moradabad
41	Dr. Amit Parekh	Vadodra
42	Dr. Chandra Sekhar Khuntia	Bargarh, Odisha
43	Dr. Aarti Singh	Ghaziabad

S. No	Doctor's Name	City
44	Raj Jindal Hospital & Research Centre Pvt. Ltd.	Bharatpur, Rajasthan
45	KDC Dental Academy	Bangalore, Karnataka
46	Dr. Sanjay Wadhawan	Delhi
47	Mithila Minority Dental College	Darbhanga
48	Mahavir Diagnostics	Delhi
49	Dr. Rajeev Jindal	Meerut, UP
50	Dr. V. Sethuraman	Virudhachalam
51	Dr. Deenadayalan S	Madurai
52	Indira Gandhi Dental College & Hospital	Amphala, Jammu
53	Govt Medical College & Hospital	Kathua, Jammu
54	MRK Diagnostics	Panvel, Maharashtra
55	Jaisal P	Kerala
56	Dr. Harsh Goyal	Janakpuri, Delhi
57	Dr. Vikas Kumar Aggarwal	Muzzafarpur
58	Edens Dental & Maxillofacial Hospital	Kanyakumari, Tamilnadu
59	Dr. V. Deiveegan	Perambalur, Tamilnadu
60	Dr. Dhiraj Naik	Goa
61	OM X-Ray	Rourkela, Odisha
62	Dr. Ruchika Singh	Ranchi, Jharkhand
63	Dr. Pratik Rajendra Doshi	Pandharpur, Solapur, Pune
64	Chiron Cosmetic & Dental Hospital, Dr. Hari Pavithran	Coimbatore
65	Dr. Roshan Kolhe	Mulund, Mumbai
66	Dr. Hemant Mali	Nathdwara, Rajasthan
67	Dr. Biju Thomas	Kochi, Kerala
68	Adhavan Diabities Foundation India Pvt. Ltd	Kanchipuram, Tamilnadu
69	RKDF	Bhopal, MP
70	Dr. M. Shanmugam	Chennai, Tamilnadu
71	Dr. Vikas Kumbhani	Ahmedabad
72	Adhavan Diabities Foundation India Pvt Ltd	Kanchipuram
73	Dr. Ramesh Kumar	Salem
74	Dr. Surya Prakash	Cuddapa, AP
75	Dr. Navneet Kaur	Karol Bagh, Delhi
76	Dr. Navneet Singh Randhawa	Mohali
77	Regional Drug Whare House	Srinagar, J&K
78	Regional Drug Whare House	Anantnag, J&K

and many more to go...



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

Ver 02/2025