bright CT

Product Catalog

Lower Dose,
More Reliable

Clearer,
More Precise

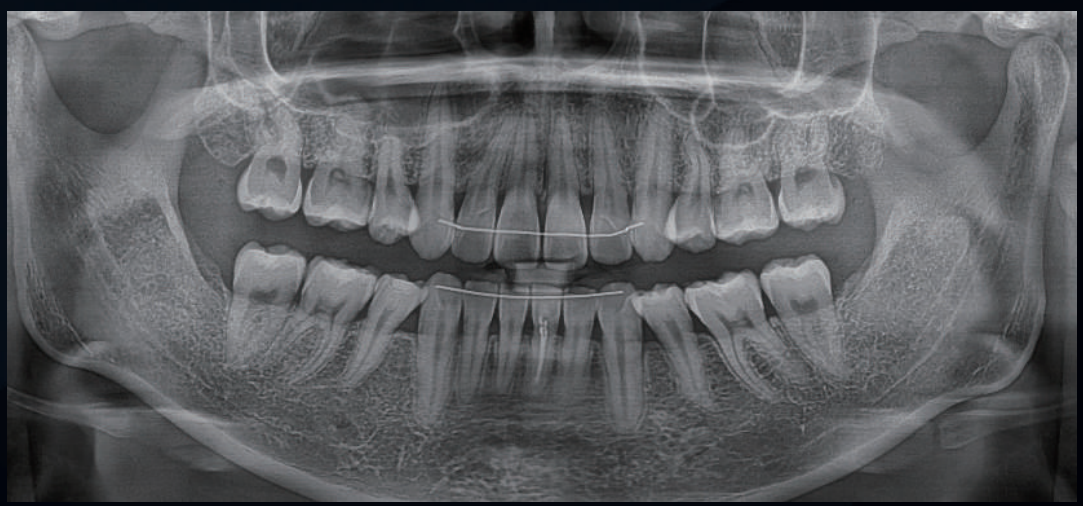
Dentium

Product Introduction

Low Dose

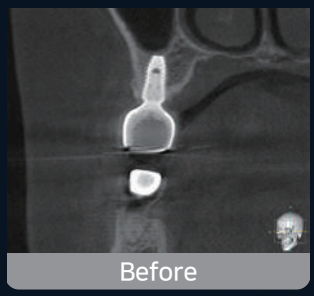
Panoramic Auto Focusing

Auto Focusing Algorithm provides optimal image

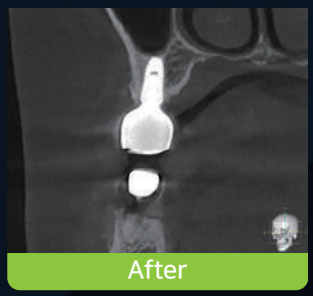


bright MAR Algorithm

Minimize metal artifacts through the latest MAR
(Metal Artifact Reduction)



Before



After

Fast Scan Time

* 2tile only

Acquired 3D CT images with only 240° scan

Reduced acquisition time and exposure dose
by 2/3 compared to the previous model.

360°, 20sec

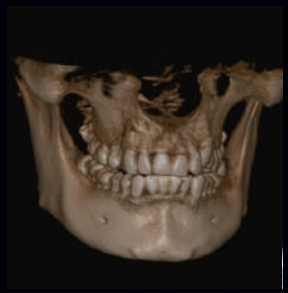
240°, 13.4sec

Large & Free FOV

Largest FOV 17.5 X 15 (Stitchng) in this class

Various image size options can be selected upon the treatment.

12X9.5 (1Tile)



17.5X9.5 (2Tile)

17.5X15 (2Tile Stitching)

Lower Dose, More Reliable

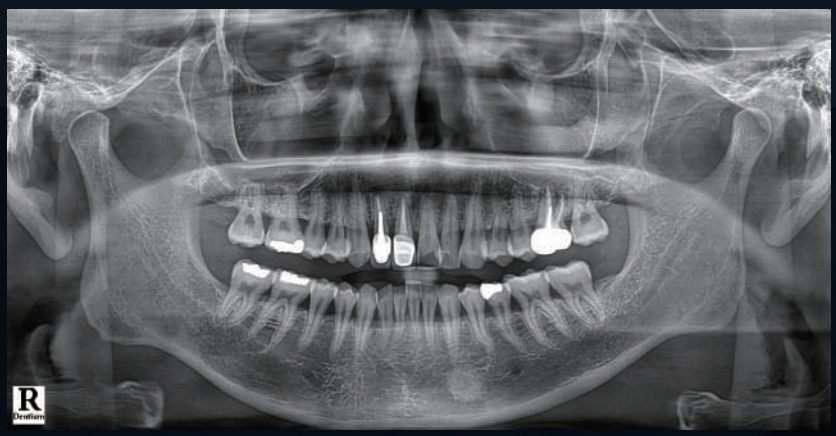
Low Dose

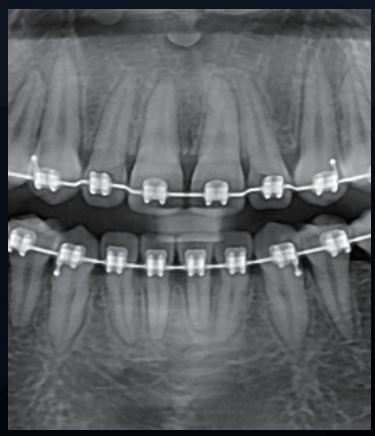
Low Dose with AI

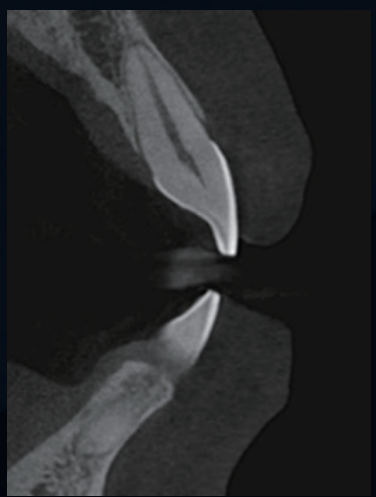
Developing 70% Dose
Expected to be applied in June 2023

Clearer, More Precise

Minimized anterior distortion allows higher accuracy diagnosis without acquiring separate apical images. Clearer identifiable of implant and the threads that makes it easier to verify the fastening success rates or fractures.







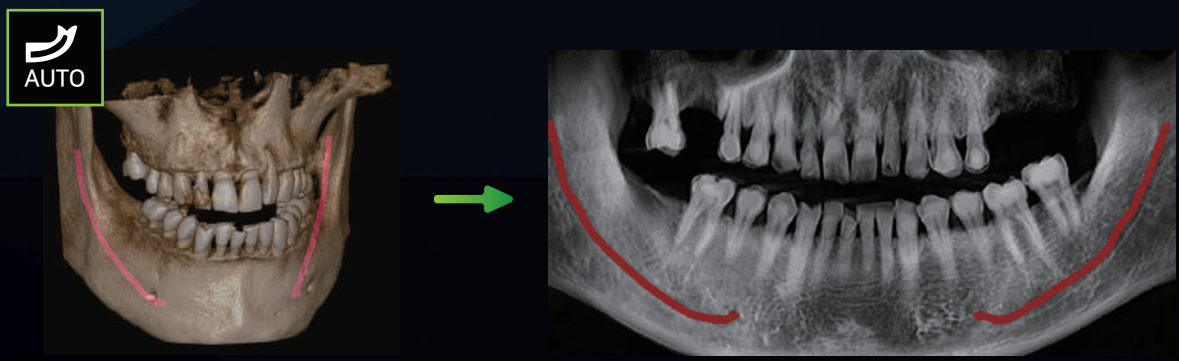
AI-supported Convenience

Automatic Arch Generation

Dentium AI algorithm automatically generates arch line.

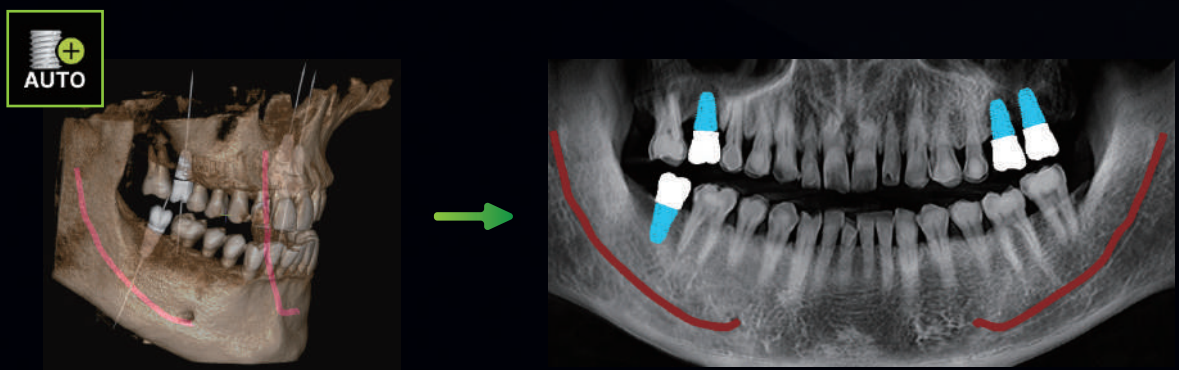
Automatic Mandibular Nerve Canal Generation

Search the inferior alveolar nerve canal within 15 seconds.
Dentium AI provides accurate and reliable diagnosis based on various age groups and gender data.



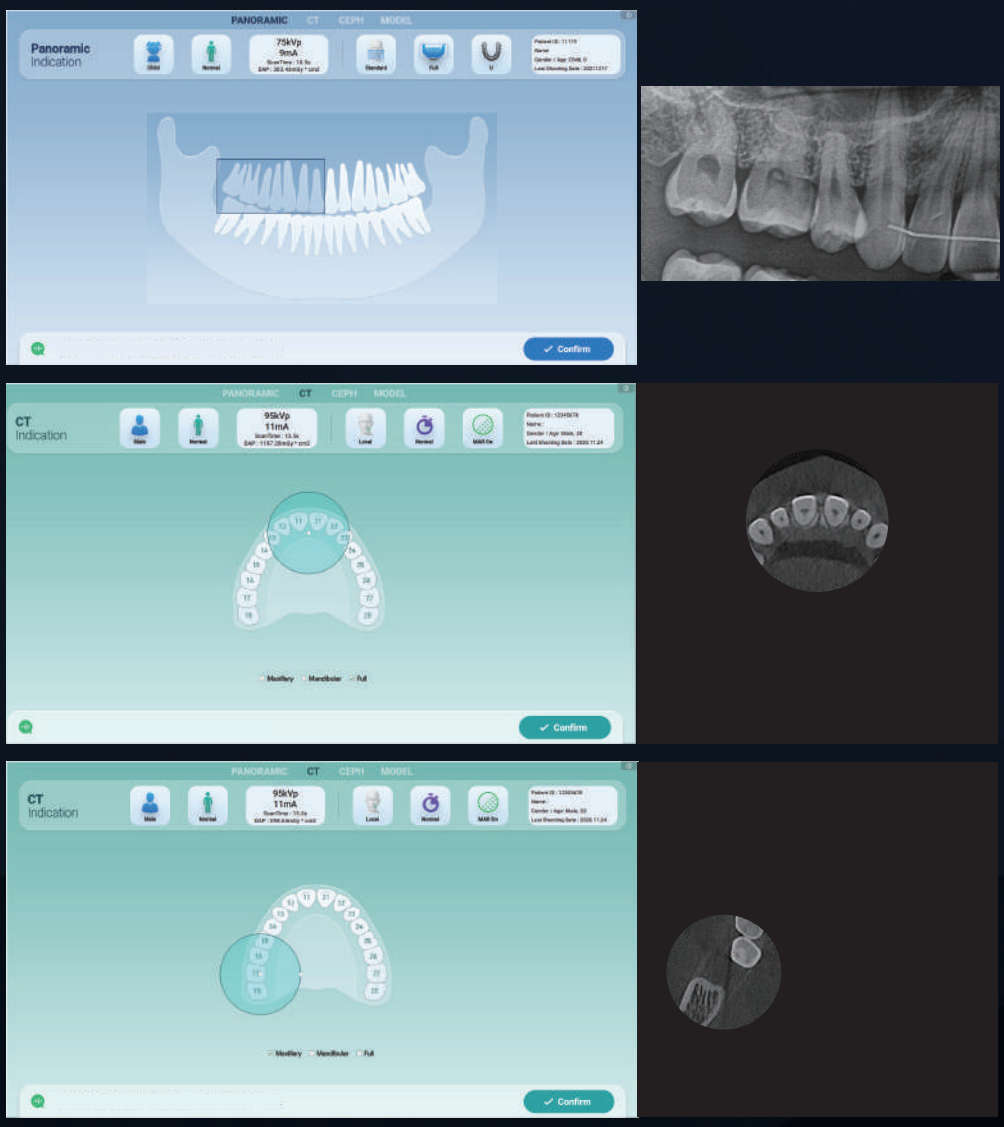
AI Automatic Fixture/Crown Placement

It recognizes missing teeth and automatically sets the positions of fixtures and crowns.
AI technology enables quick patient consultation.



Free FOV

Free-selectable FOV allow a user to acquire an only desired image area and reduce the exposure dose.

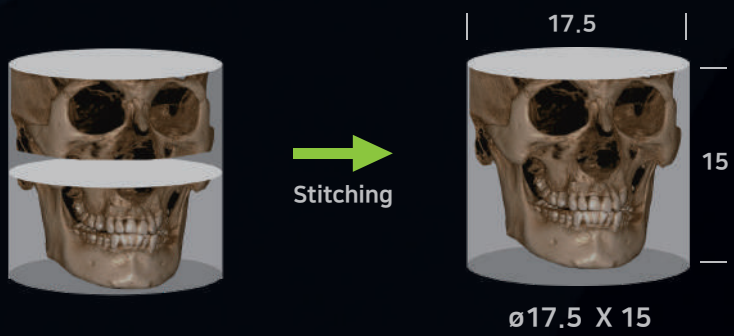


Result Image

Large FOV

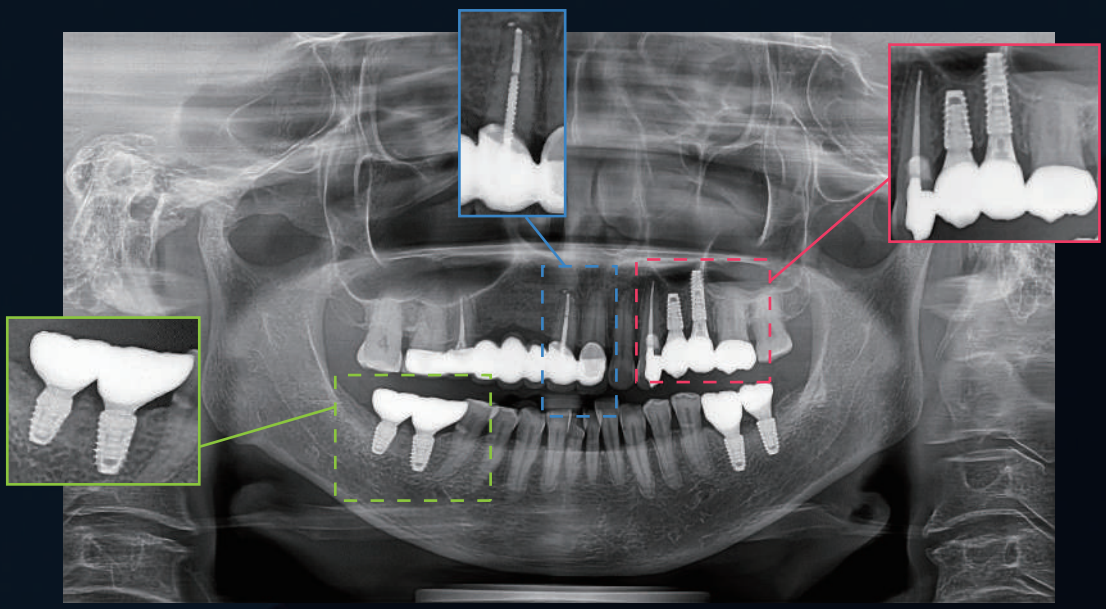
Built-in stitching functionality that attaches two separate acquired images.

We provide from implant planning to orthodontic diagnosis with a large imaging size of up to 17.5 X 15 FOV.



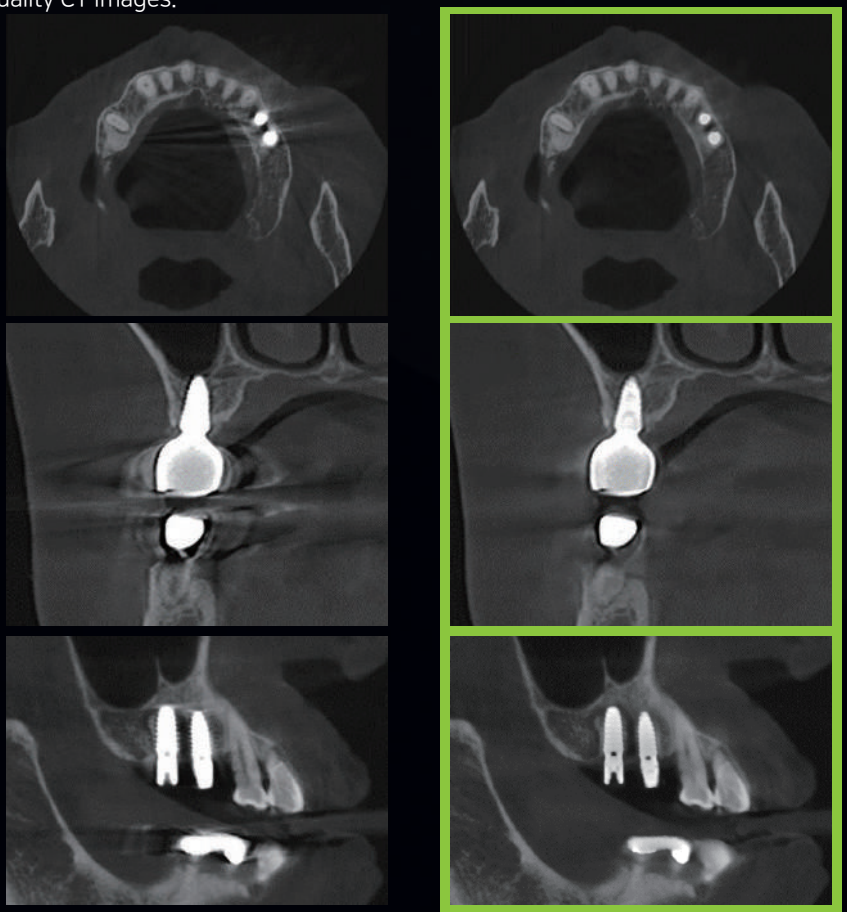
Panoramic Auto Focusing

Auto Focusing Algorithm provides optimal images with 30 multi-layer images in one acquisition



bright MAR Algorithm

Our latest MAR (Metal Artifact Reduction) technology minimizes metal artifacts and enabling accurate diagnosis through high-quality CT images.



MAR off

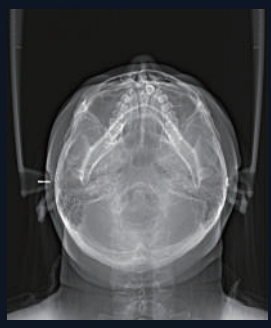
MAR on

Cephalometric

Cephalometric Scan Module enables fast acquisition.

Ceph

PA

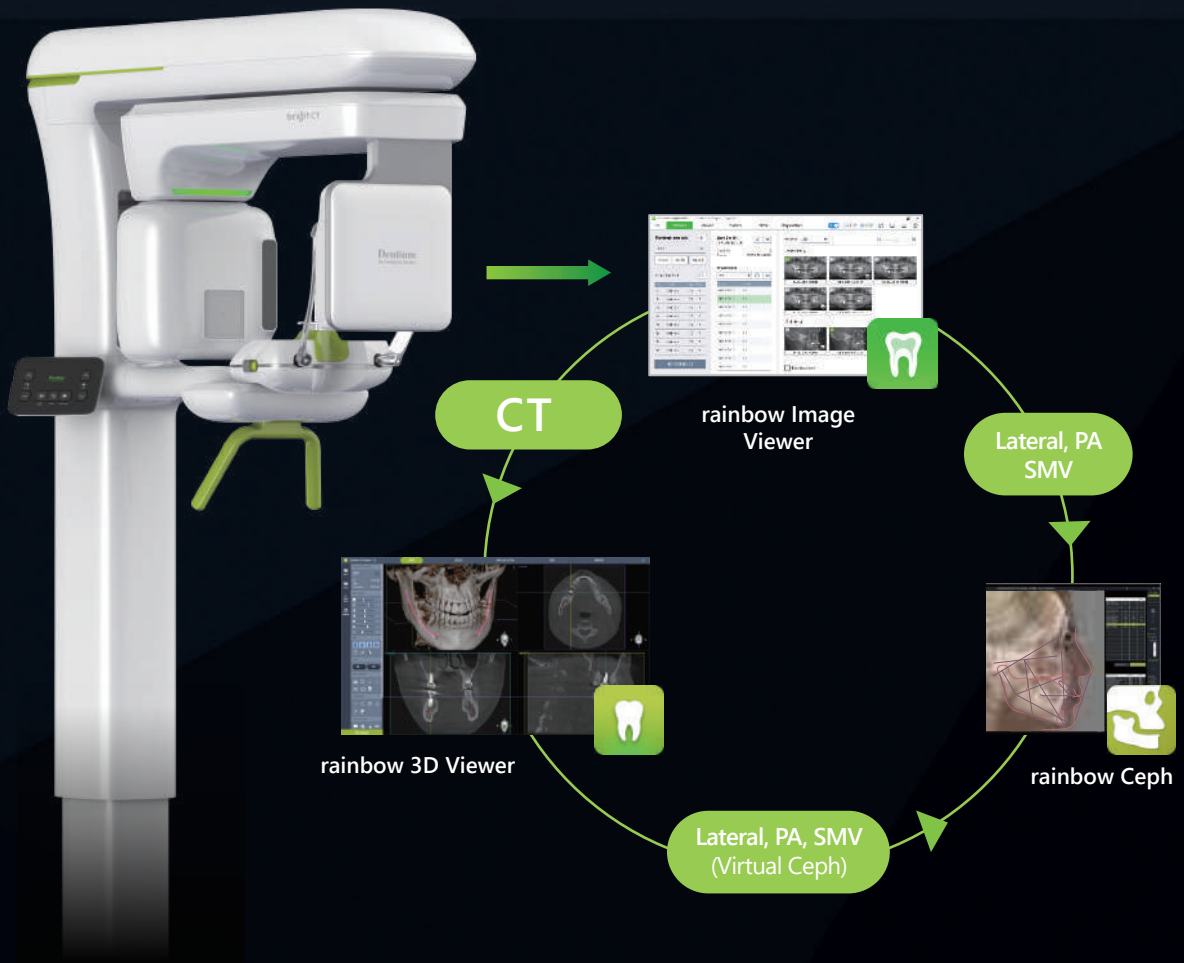


SMV

Carpus

Water's view

bright CT Software Diagram



rainbow™ 3D Viewer

Intuitive User Interface enhance easy analyzing and implant planning.

It also enables a more accurate position, path and depth settings.

• MPR(Multi-Planar Reconstruction)

3D image viewer provides axial, coronal and sagittal views.

Various tools help users to manipulate each preference axes for specific areas.

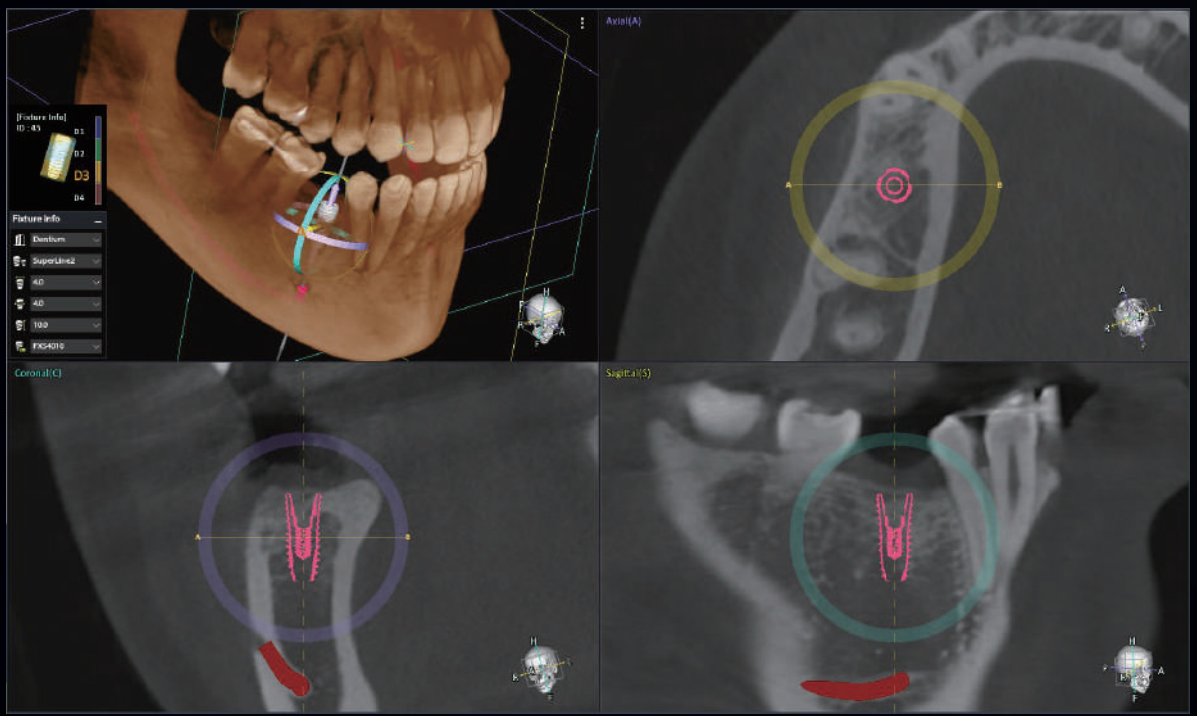
Display custom plane

Control custom axes

• Implant Simulation

Provides all fixture libraries of Dentium.

Fixture is placed where a position of the MPR section line locates.
Upon selection on the fixture, it automatically switches to implant mode.



Endo Mode

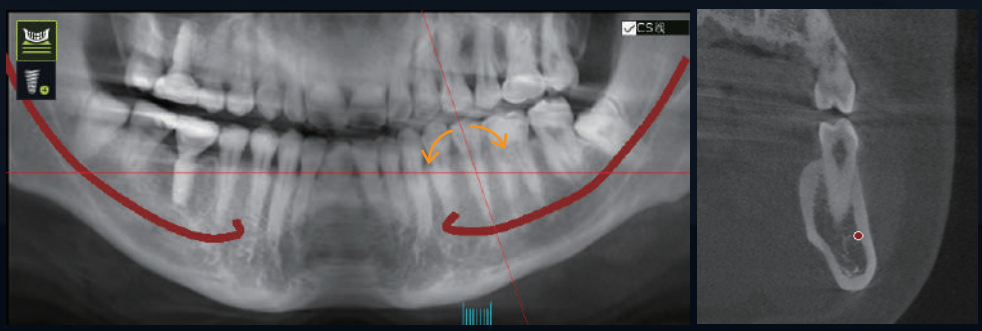
Endo mode provides with a maximum resolution of 80μm.

Invert (Positive / Negative) diagnostic mode helps identify more accurate images.

Positive Negative

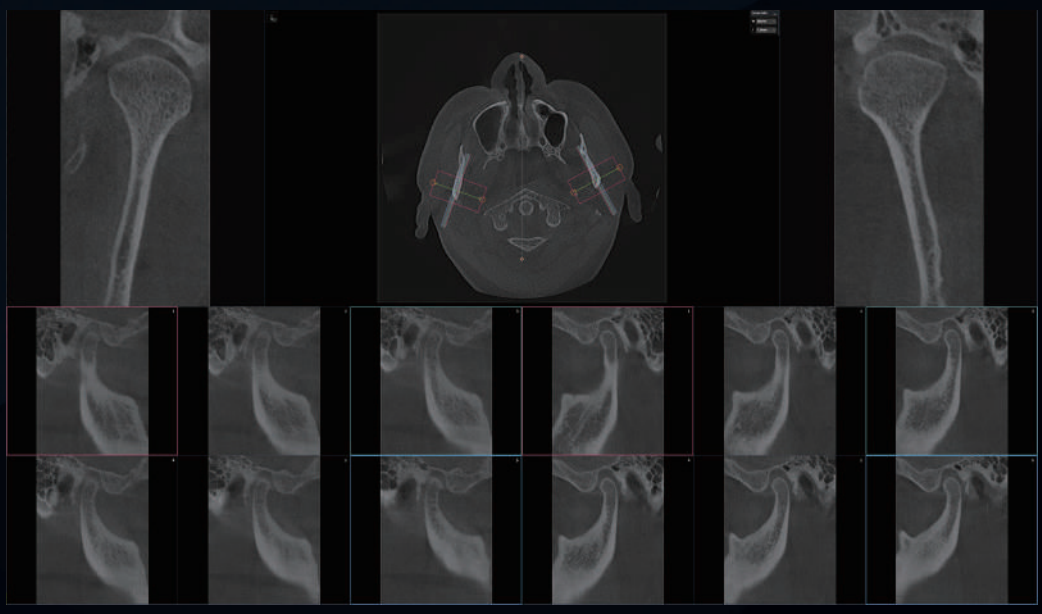
Cross Axis

Cross-axis mode can be selected in panoramic images and it improves user's convenience by enabling diagnosis of the entire tooth in one cross section.



TMJ

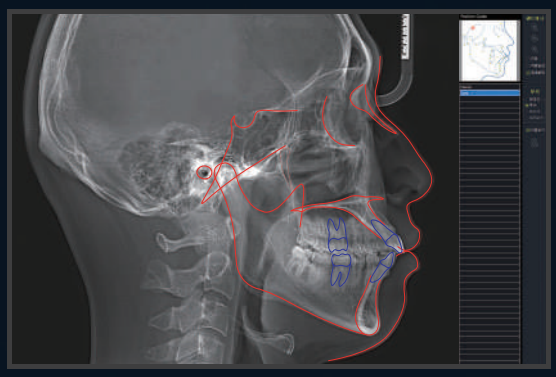
Symmetry view provides a cross-sectional image of the temporomandibular joint area for bilateral TMJ diagnosis.



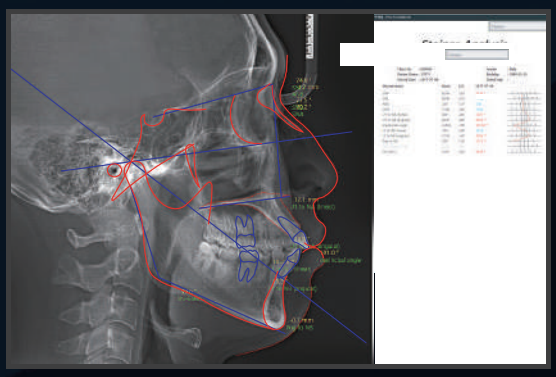
rainbow™ Ceph

Cephalometric tracing software comes with a 3in1 option.

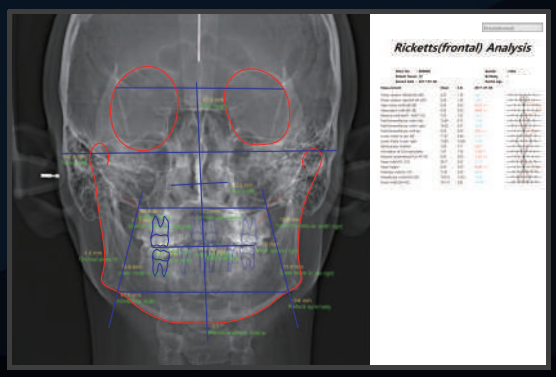
We also provide a competent orthodontic treatment solution. Upon landmark settings,
it allows easy analysis and customization as desired by the user.



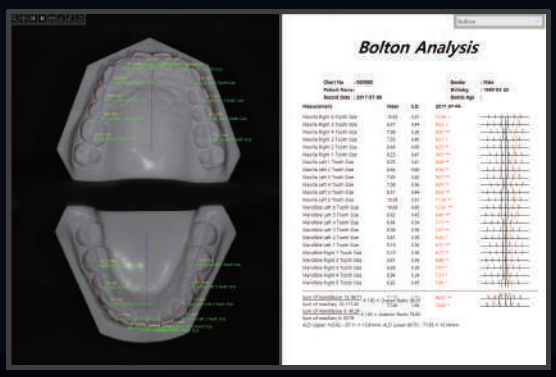
Simple tracing function



Lateral analysis



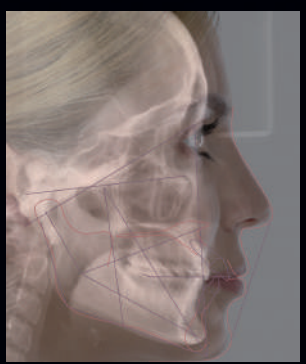
PA analysis

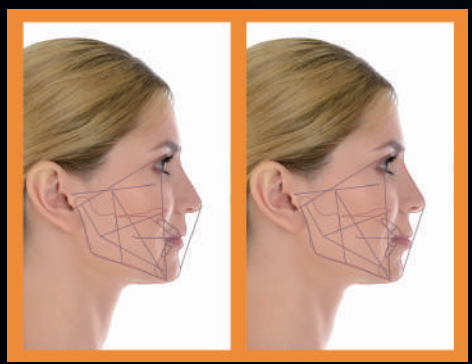


Model analysis

VTO/STO

VTO/STO provides for a simulation pre/post orthodontic surgery and orthodontic treatment.
It increases a surgery consent rate with the visual simulation.

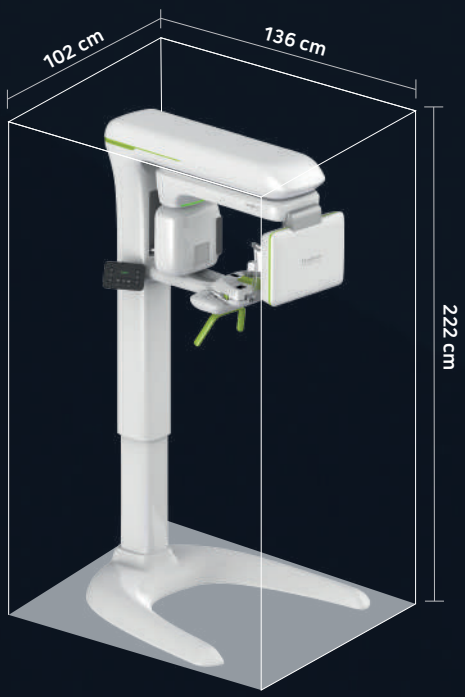




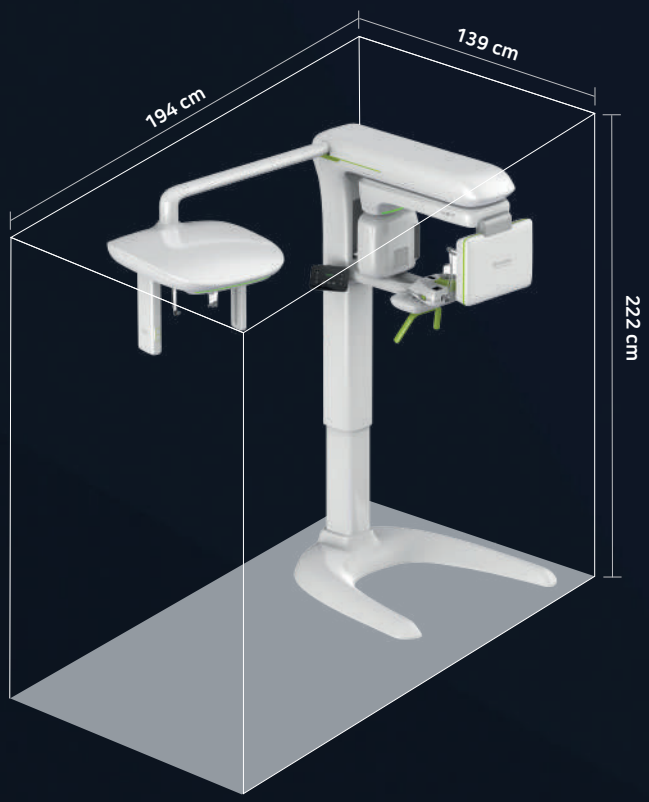
Before After

Dimensions

Slim design allows to fit in most narrow spaces.



2in1(PANO + CBCT)



3in1(PANO + CBCT + CEPH)

Technical Specification

		bright CT-1T	bright CT-1TC	bright CT-2T	bright CT-2TC	bright CT-2TS	bright CT-2TSC
		2in1	3in1	2in1	3in1	2in1	3in1
Focal Spot		0.5 mm					
CT FOV(cm)		Free FOV(5 x 5 to 10 x 9.5) 12 x 9.5		Free FOV(5 x 5 to 10 x 9.5) 12 x 9.5 17.5 x 9.5(Wide)		Free FOV(5 x 5 to 10 x 9.5) 12 x 9.5 17.5 x 9.5(Wide) 17.5 x 15(Stitching)	
Voxel Size		80 μm to 400 μm					
Scan Time	Pano	11.8 sec.					
	CT	10 sec. / 15 sec. / 20 sec.		Free FOV, 12 x 9.5: 6.6 sec. / 13.4 sec. / 20 sec. 17.5 x 9.5: 10 sec. / 15 sec. / 20 sec.		Free FOV, 12 x 9.5: 6.6 sec. / 13.4 sec. / 20 sec. 17.5 x 9.5: 10 sec. / 15 sec. / 20 sec. 17.5 x 9.5(Stitching): 20 sec. / 30 sec. / 40 sec.	
	Line Ceph	X	6 sec	X	6 sec	X	6 sec
	Model	38.4 sec.					

Line up

6 line-up for user preferences.

- Detector 1Tile

bright CT_1T (PANO + CBCT)

bright CT_1TC (PANO + CBCT + CEPH)

- Detector 2Tile(Wide)

bright CT_2T (PANO + CBCT)
bright CT_2TS (PANO + CBCT + Stitching)

bright CT_2TC (PANO + CBCT + CEPH)
bright CT_2TSC (PANO + CBCT+ Stitching + CEPH)

CBCT | Panorama | Cephalo | Impression | 3D Viewer | rainbow™ Ceph

Dentium

Specifications are subject to change without any notice.
Some products listed in this catalog may not be available in the market due to pending approval.

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