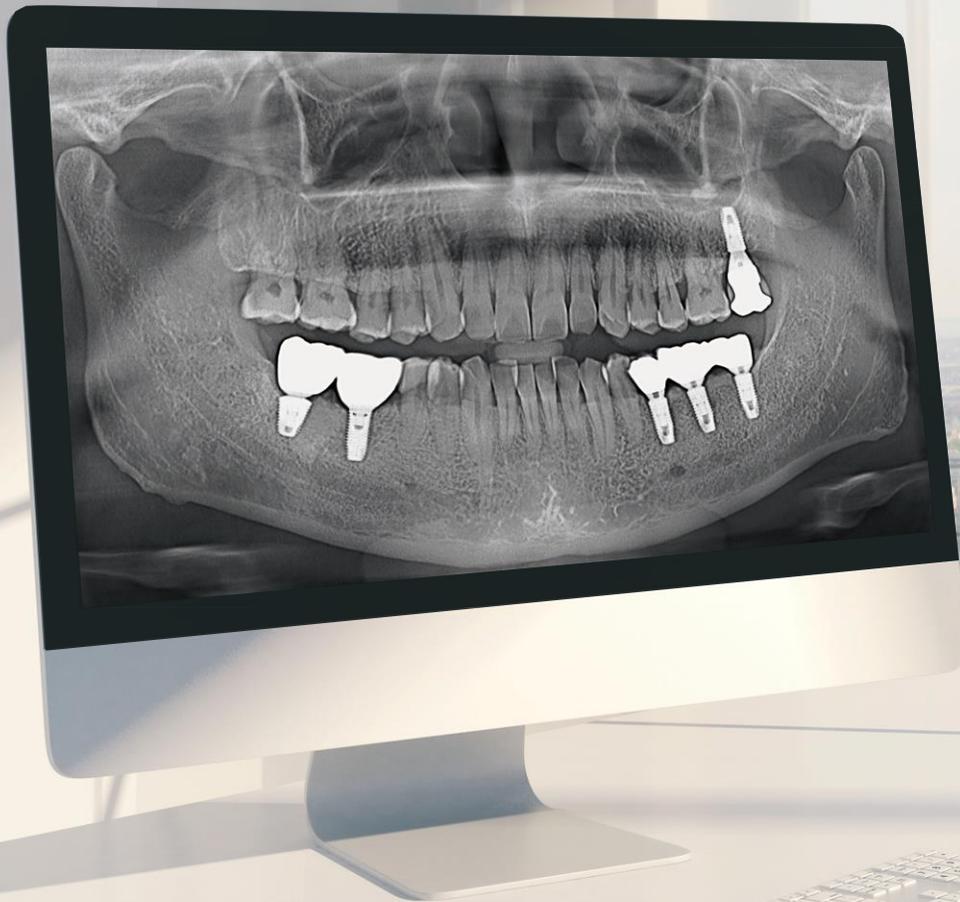




Clear
rainbow™ CT

Dentium



Product introduction

1. Large FOV

Diagnosis from implant planning to orthodontics is possible with Large FOV 16 x 18cm (Stitching).

2. Powerful AI

Eliminate your routine burdens with our AI features

3. MAR Plus

Improved metal artifact reduction feature

4. Unique

New concept of leading the orthodontic assessment.



MULTIPLE FOV

Standard (16x10 cm)

Image with no distortion of wide and clear standard FOV. It makes diagnosis not only Bi-lateral but Airways.



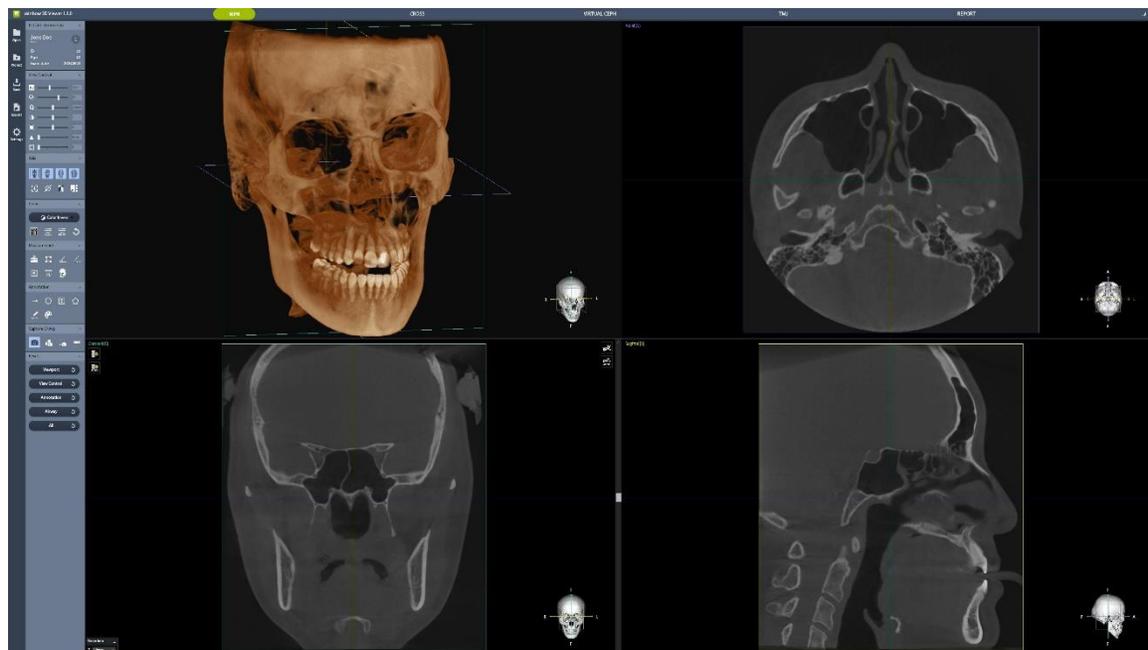
Local (5x5 cm)

Endodontic treatment mode for special diagnosis makes clear image with only a small amount of radiation dose.



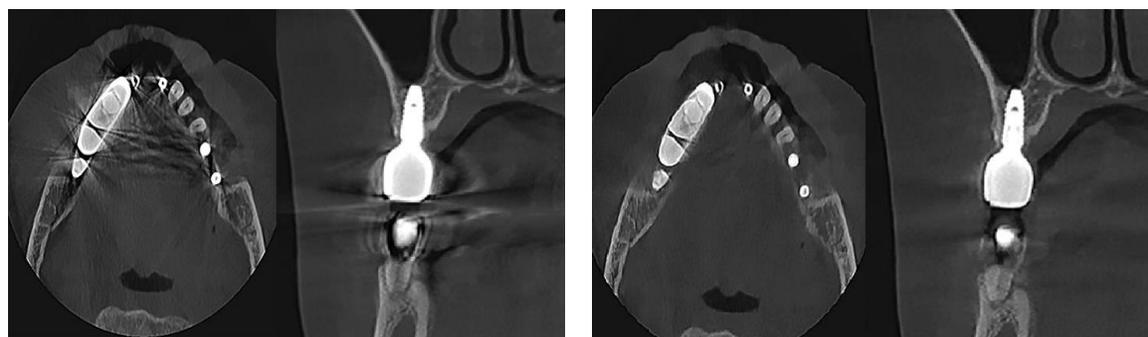
Stitching (16x18 cm)

Through stitching function in which the area that could not be diagnosed with general CT image is an acquisition from mandibular and maxillary areas. Respectively superimpose the acquired images so a wider and clearer image can be generated. This protocol is optimized for a maxillo-facial surgery and orthodontics diagnosis.



MAR

Game-changing Dentium MAR (Metal Artifact Reduction) automatically reduces metal artifacts caused by implants, fillings or restoration. This helps to confirm diagnosis and reduces the risk of misinterpretation.

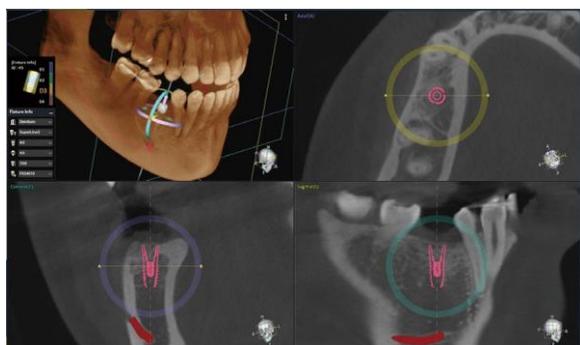


Without MAR

With MAR

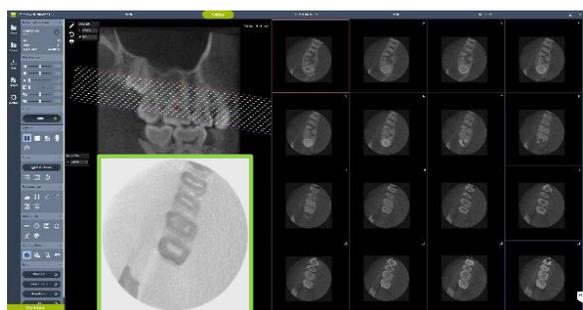
EFFICIENT 3D VOLUMES

Implant Planning



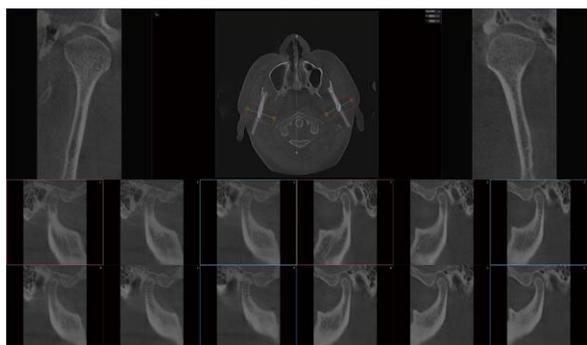
Dentium AI automatically detects the position of the missing teeth and sets the initial position of fixture and crown to minimize implant planning.

Endodontics



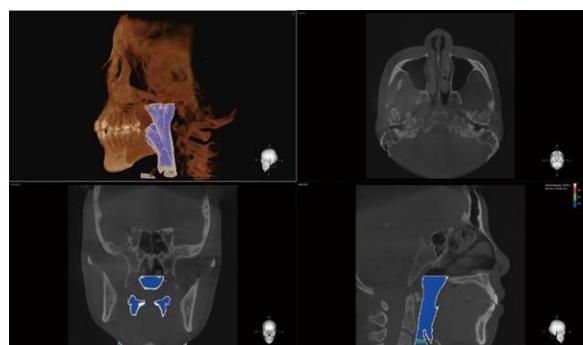
Endo mode provides with a maximum resolution of 80µm. Invert (Positive/ Negative) diagnostic mode helps identify more accurate images.

TMJ



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

Airway Analysis

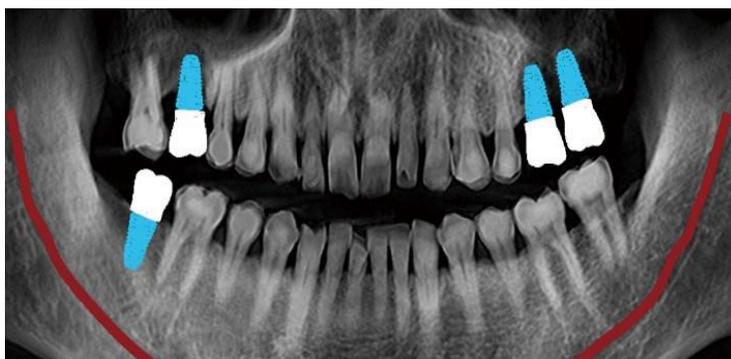
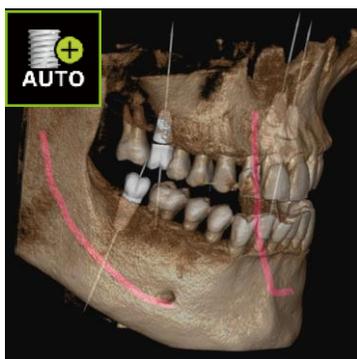


Airway module allows users to easily segment the airway in just a few clicks.

AI-ASSISTED IMPLANT PLANNING

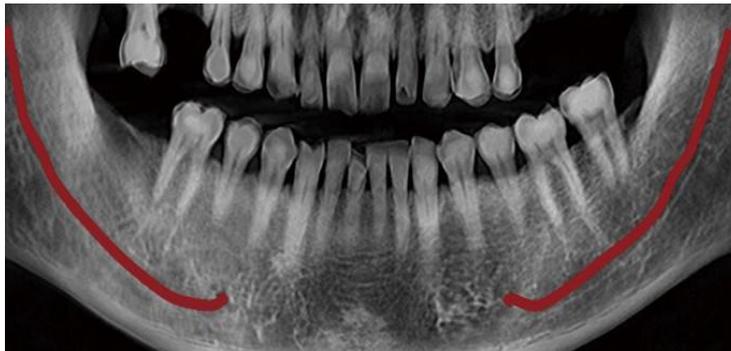
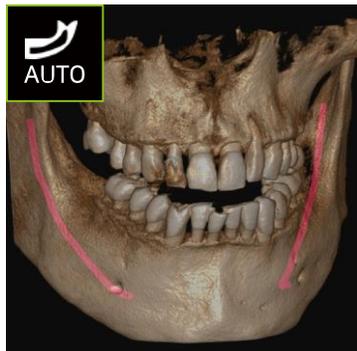
Fixture / Crown

Dentium AI automatically detects the position of the missing teeth and sets the initial position of fixture and crown to minimize implant planning.



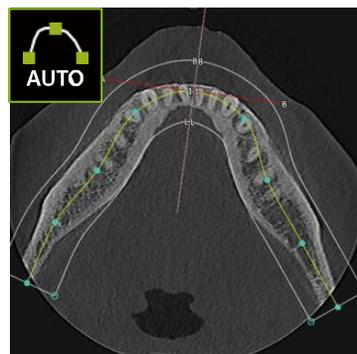
Nerve

Search the inferior alveolar nerve canal within 15 seconds. Dentium AI provides more accurate and reliable diagnosis.



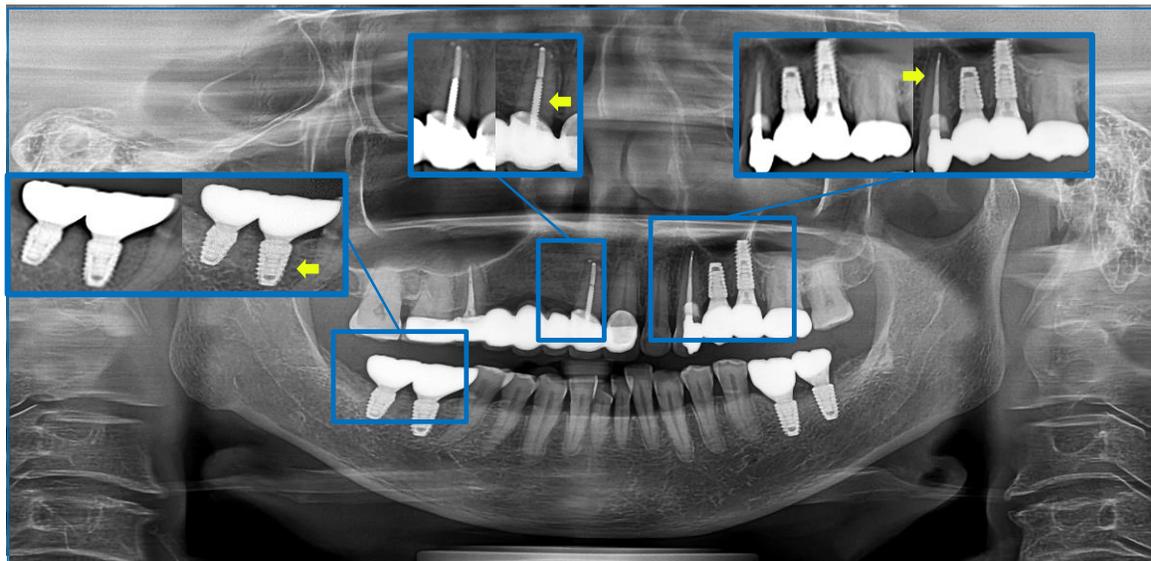
Arch

Dentium AI algorithm automatically generates arch line in just a few seconds with accurate rate.



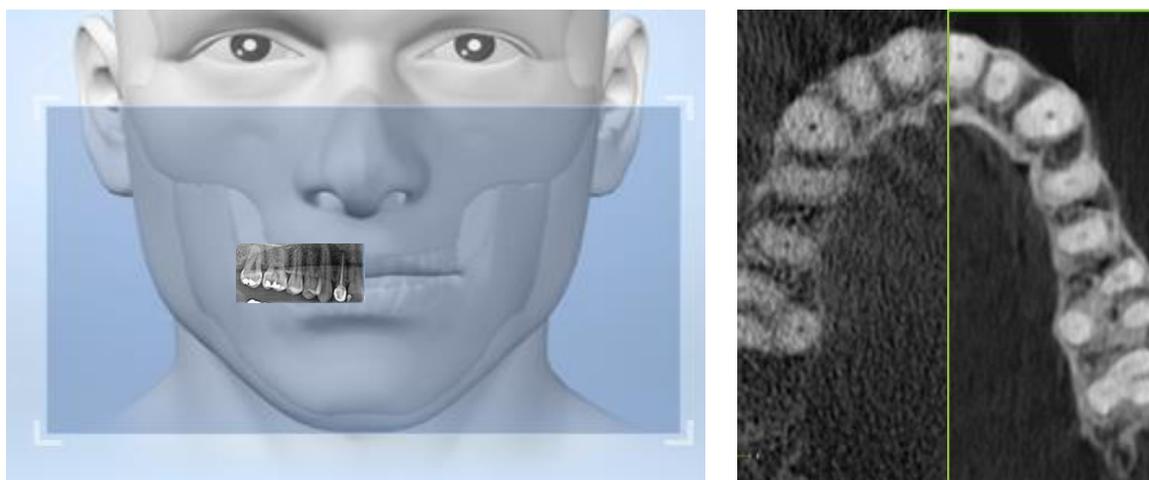
AUTO FOCUSING PANORAMIC

With multi-layered technology, multiple images are taken, and each of those images are further segmented. The system automatically selects the best segments and compile them into one optimized panoramic image.



DE-NOISING ALGORITHM

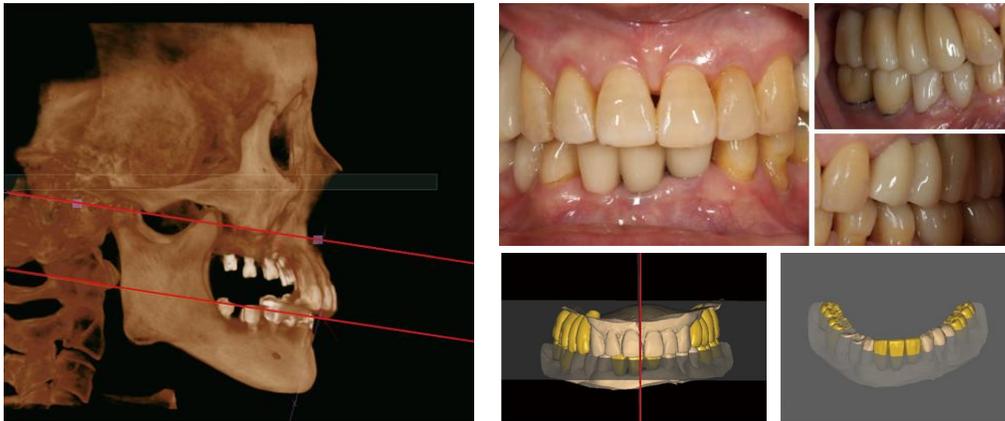
With multi-layered technology, multiple images are taken, and each of those images are further segmented. The system automatically selects the best segments and compile them into one optimized panoramic image.



AI-POWERED CBCT APPLICATION

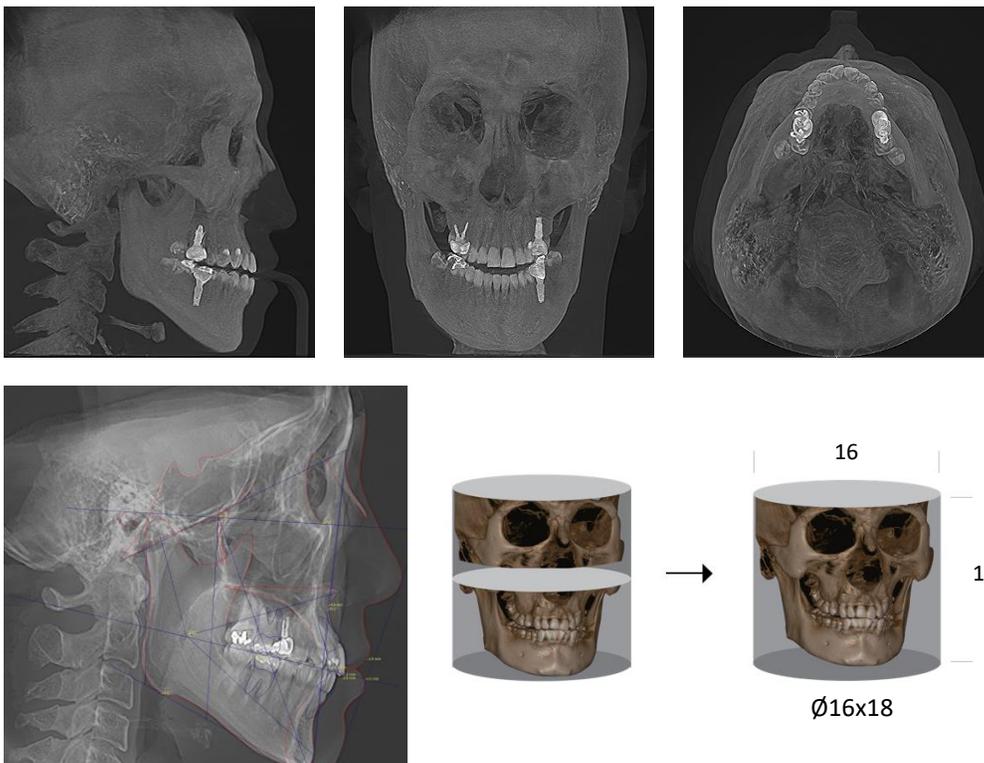
AI Occlusal Plane

rainbow CT helps discover occlusal plane for an edentulous patient as an optimal reference. This feature comes with the rainbow 3D Viewer with no additional cost.



Virtual Ceph

rainbow CT enables acquiring cephalometric images without cephalometric module with Virtual Ceph function.



VERSATILE CEPHALO

Precise orthodontic diagnoses can be realized with various ways of acquisition such as Lateral, PA, SMV and carpus.



Lateral



PA



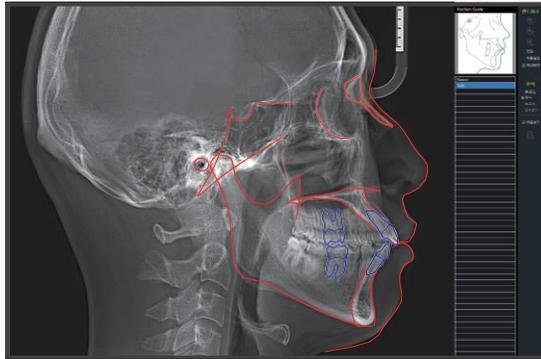
SMV



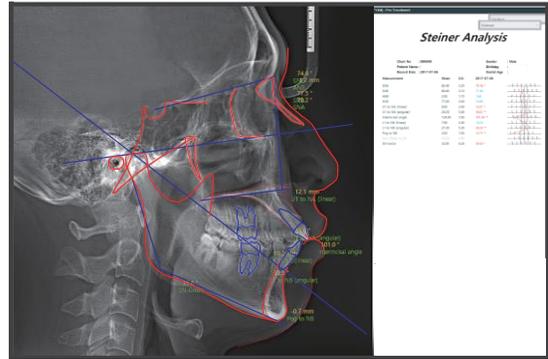
Carpus

rainbow™ Ceph

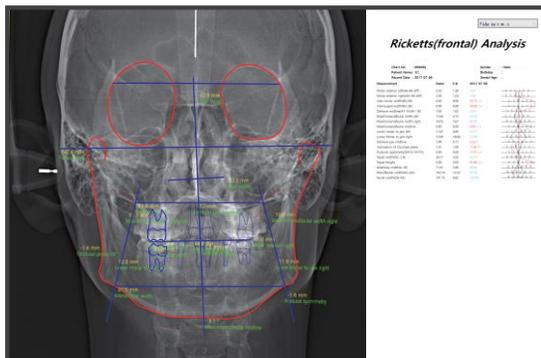
Solutions for professional orthodontic treatments can be provided. With the 'Landmark' setting, orthodontic analysis and customization can be completed.



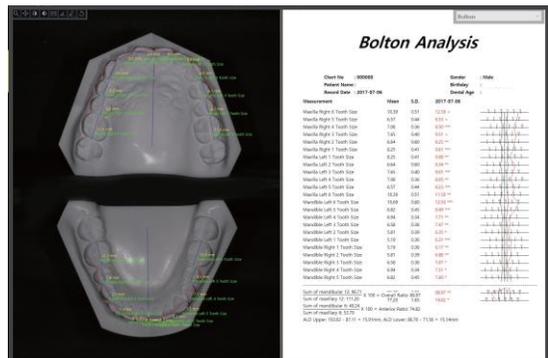
Simple tracing function



Lateral analysis

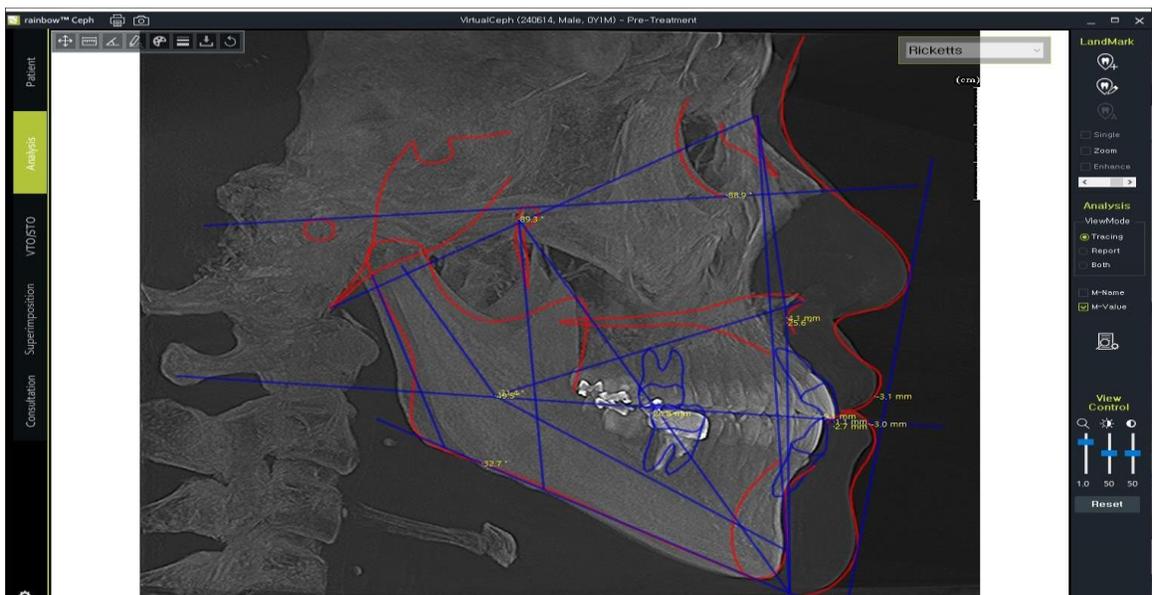


PA analysis



Model analysis

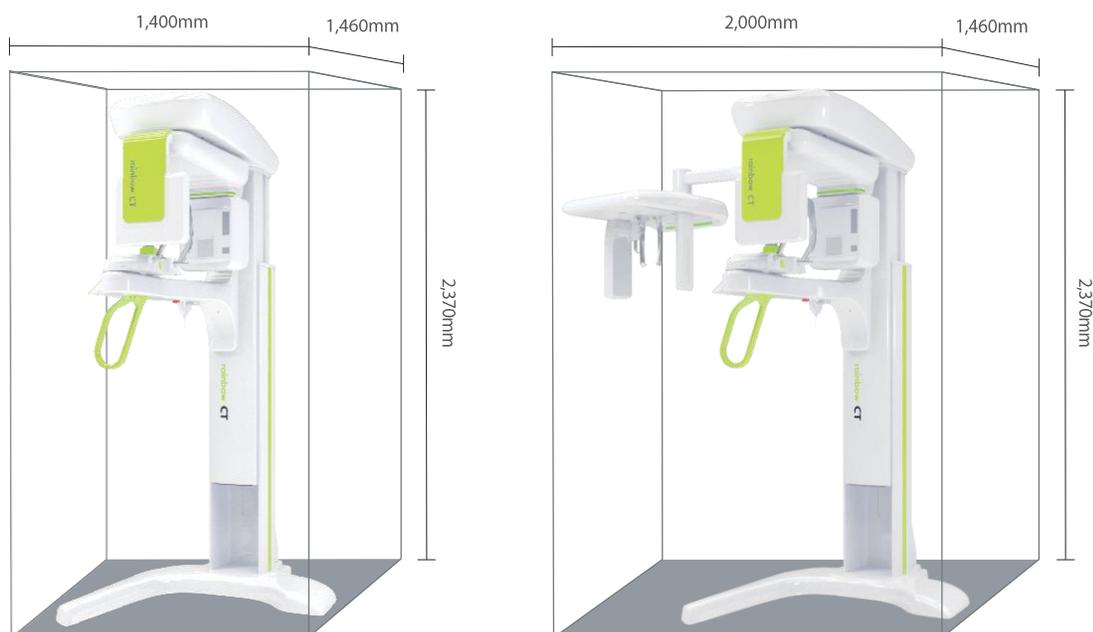
Auto tracing



TECHNICAL SPECIFICATION

Function	CBCT + Panorama + Cephalo Ceph Option: Scan Ceph
Scan time (sec)	CT: 19, Panorama: 19, Cephalo: 8
FOV(cm)	5x5, 16x10, 16x18 (Stitching)
Focal spot (mm)	0.5
Sensor Type	CMOS
Reconstruction time (sec)	Less than 60
Patient position	Standing / Wheel chair accessible
Voxel size (µm)	Min 200~

DIMENSIONS (2in1 , 3in1)



Dentium

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