Clear
rainbow™ CT
Product Brochure

Dentium
For Dentists By Dentists

# Product Introduction

1. Large FOV !

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

2. Clear Image!

Due to a clear image without noise and minimized blurring on anterior part, an accurate diagnosis is possible.

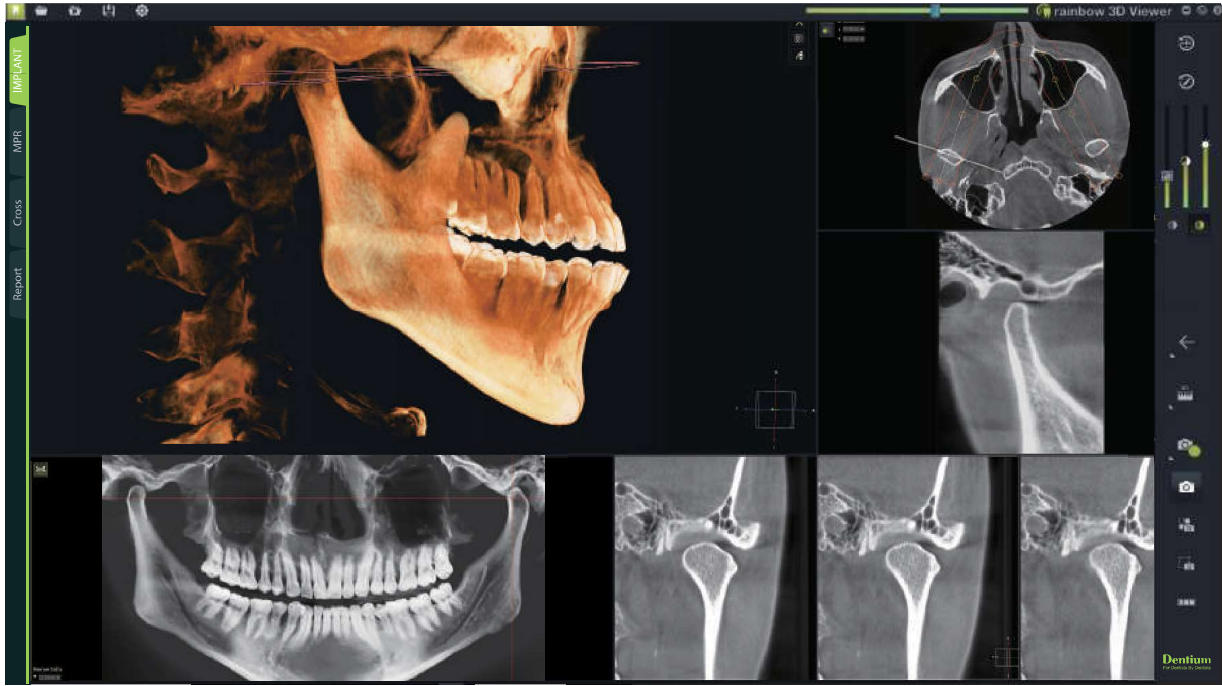### 3. Intuitive UI, Dentium Software !

Due to the intuitive and easy-to-use interface, simulation from implant planning to orthodontics is possible.

| FOV(16x18) | Panorama | Cephalo | CBCT | 3D Viewer | rainbow™ Ceph |
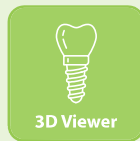
Large & Multi FOV

Image with no distortion of wide and clear normal FOV, it makes diagnosis from TMJ to ENT area possible.

The whole area of TMJ could be diagnosed with a basic shot. (Field of View: 16 x 10 cm Normal)

Local

Endodontic treatment mode for special diagnosis makes clear image with only a small amount of radiation dose.
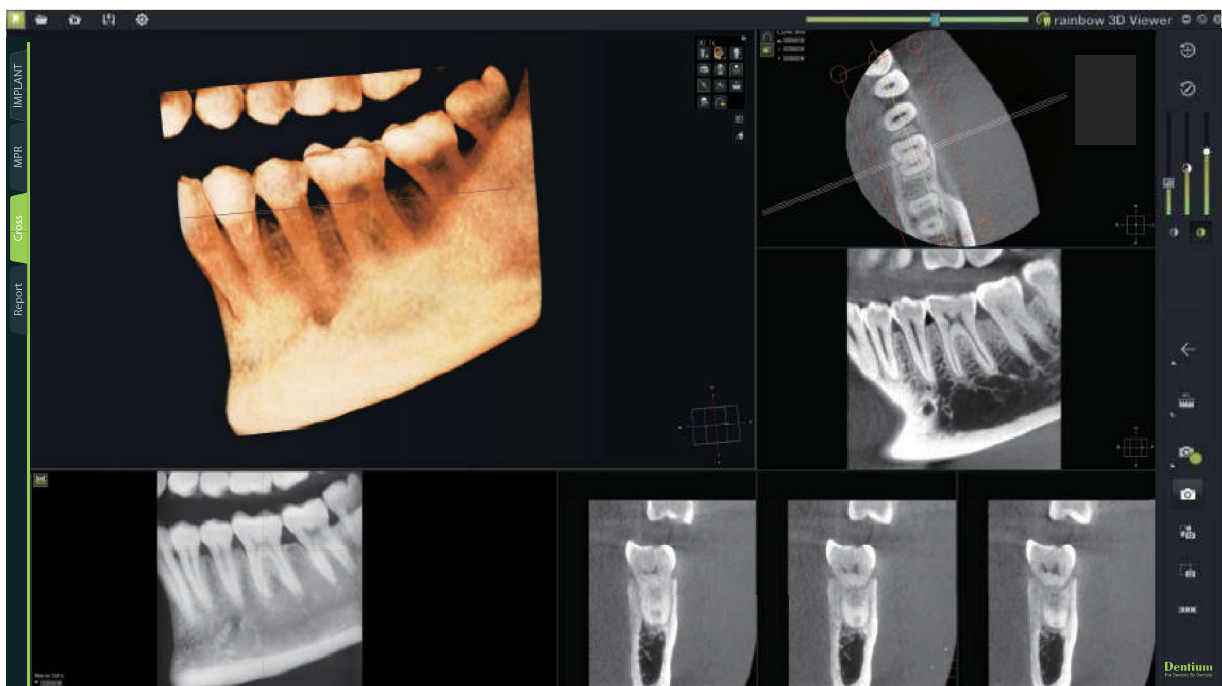
Use in endodontic treatment (Field of View: 5 x 5 cm Local)

Stitching

Through stitching function in which the area that could not be diagnosed with general CT image is shot from upper and lower side respectively and superimposed, a wider and clearer image can be gained, and this makes diagnosis from maxilla-facial surgery to orthodontics is possible.
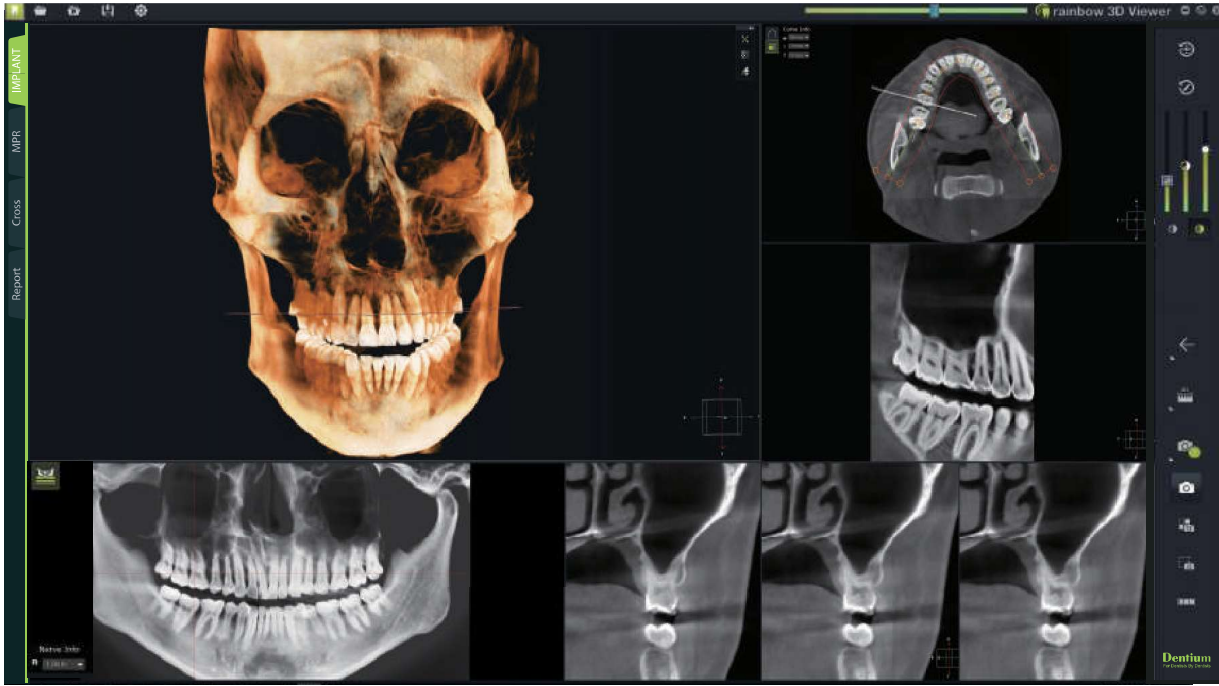
The whole area of head and neck could be diagnosed. (Field of View : 16 x 18 cm Stitching)

Comparison of FOV sizes

Dentium rainbow CT (16 x 18 cm)

A Company CT Image
(14 x 14 cm)

B Company CT Image
(10 x 8.5 cm)

rainbow™ 3D Viewer

Image taken from CT could be easily analyzed, and implant planning,
designation of an accurate position, path, and depth is possible.

Before installation of implant fixture

Bone density of the area for installation could be easily checked through color.
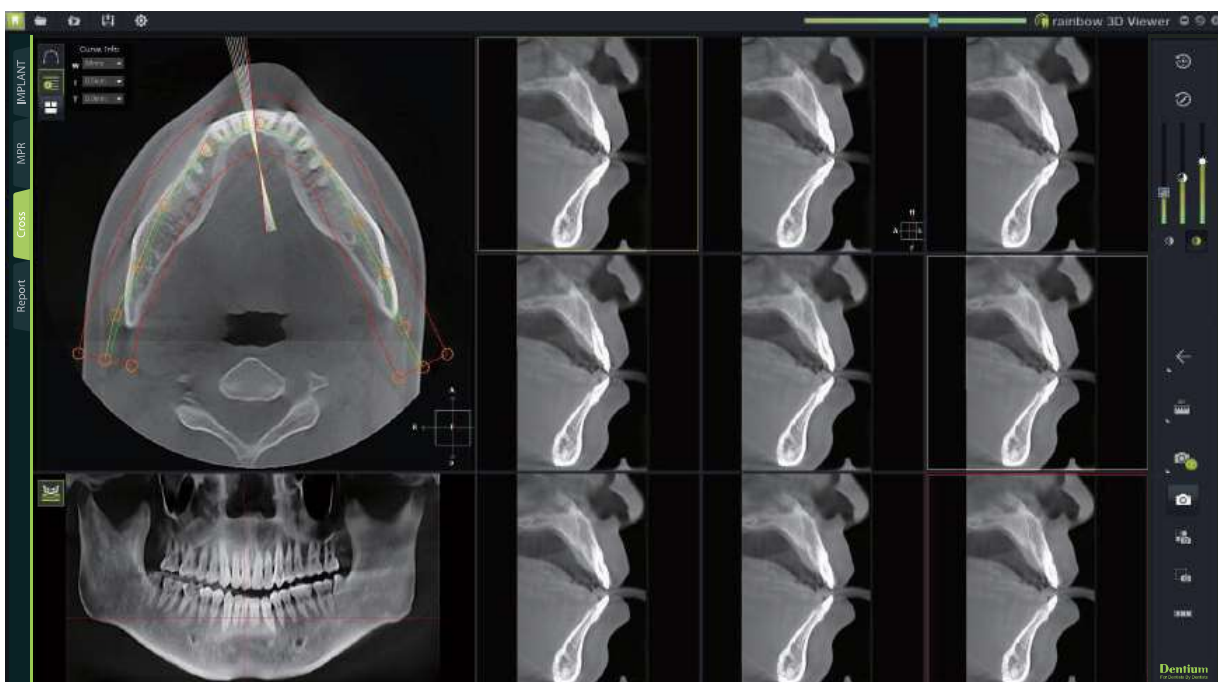

After installing the implant fixture

MPR

Through various multi views, 3D volume Rendering, Axial, Sagittal, and coronal image could be simultaneously checked.
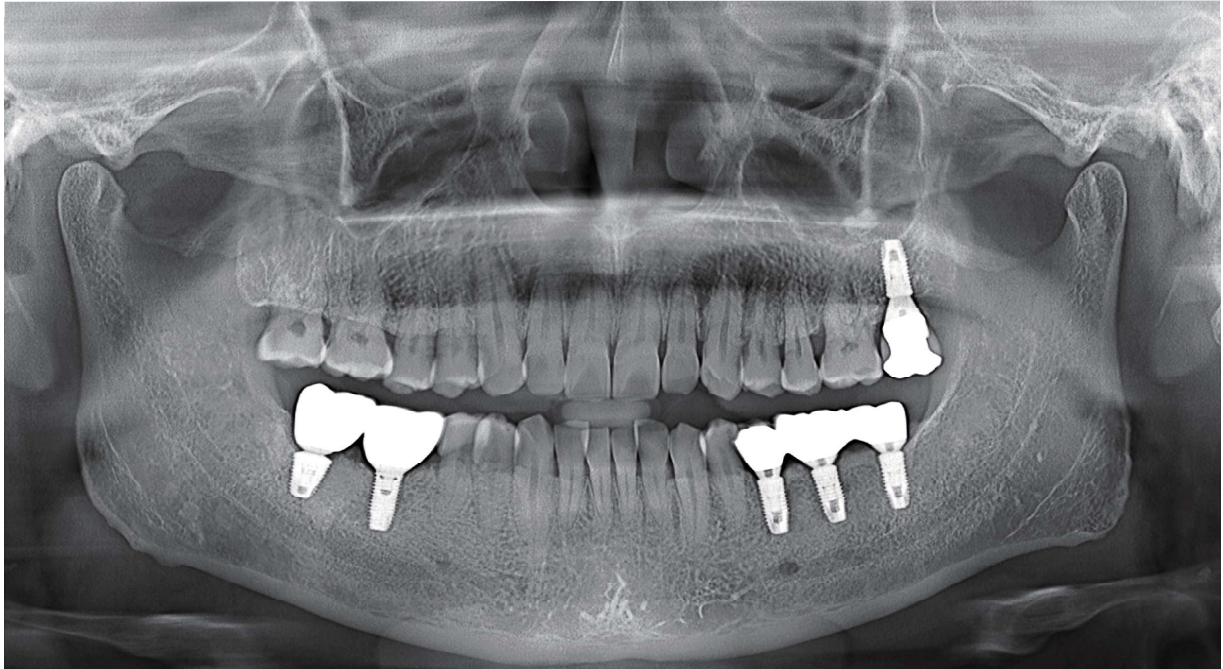

Mutiplanar Reconstruction

Cross

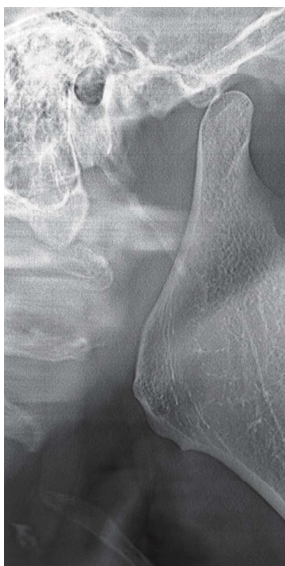By designating 'Curve' on the desired area, cross-sections could be observed at intervals of 0.5 mm.

Cross View

Panorama

A clear image with minimized blurring of anterior teeth makes an accurate diagnosis possible.

TMJ

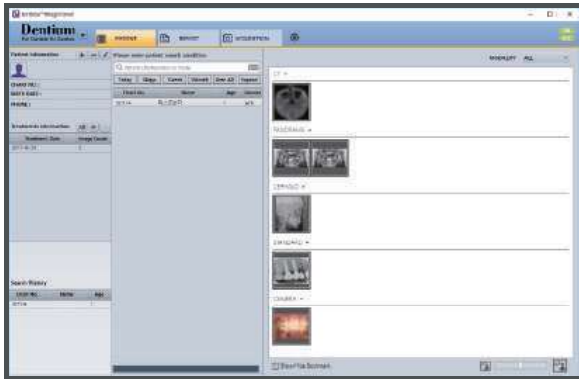Open   Close   Close   Open

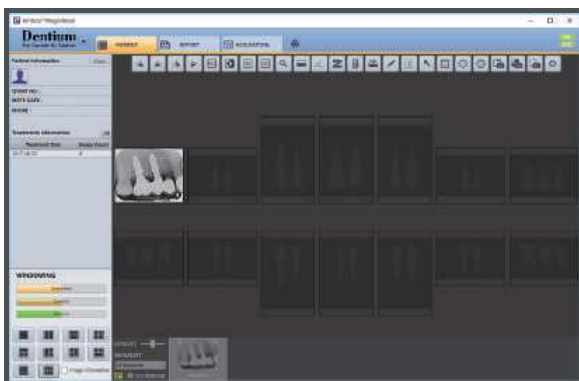# Integrated Management Software

Panorama, Standard, CT, Cephalo, Oral camera image etc. could be comprehensively managed. The direct and indirect interlock with devices of other manufacturers is possible, and anybody could easily use it due to the intuitive user interface.
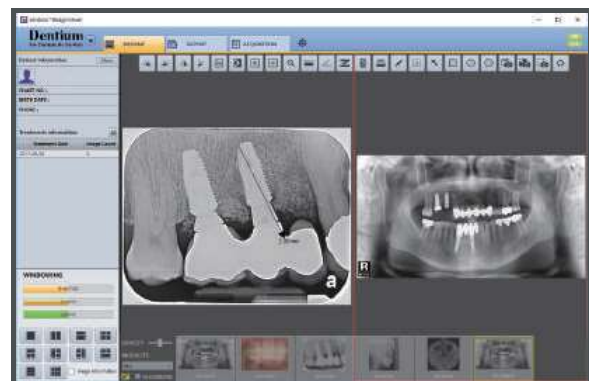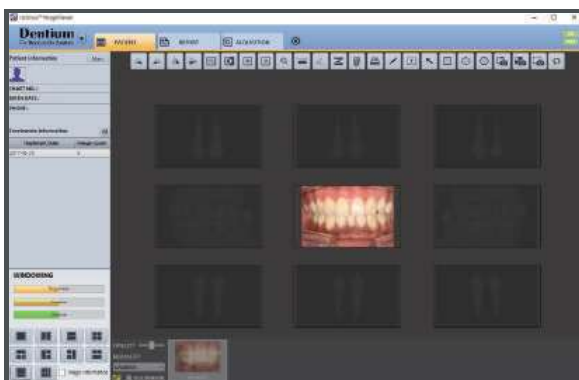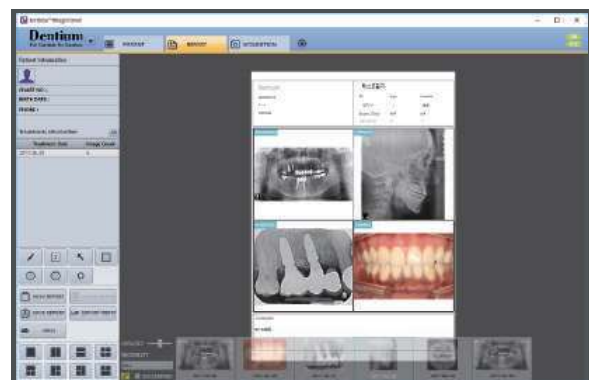

Main Screen

Acquistion Mode

View Standard

View Normal

View Camera

Report Mode

Versatile Cephalo

Precise orthodontic diagnoses can be realized with various ways of shooting such as
Lateral, PA, SMV, Carpus and etc.

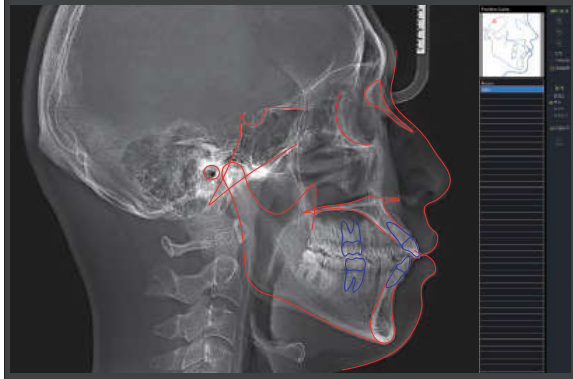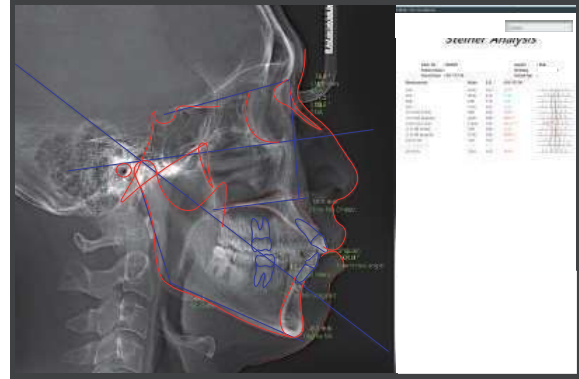PA   SMV   Carpus

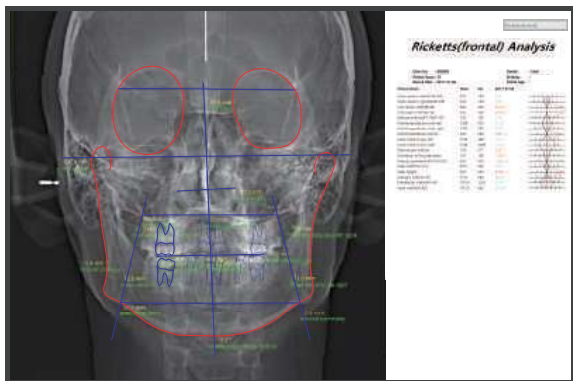One-shot   Scan

rainbow™ Ceph

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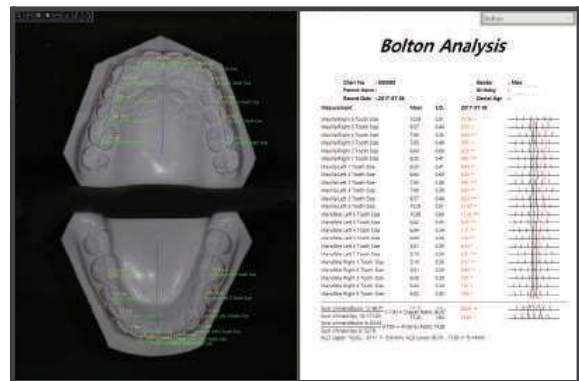

Simple tracing function

Lateral analysis

PA analysis

Model analysis

VTO/STO

VTO/STO for the before and after orthognathic surgery images is provided and through this function, the rate of patient agreement on surgery can be increased.
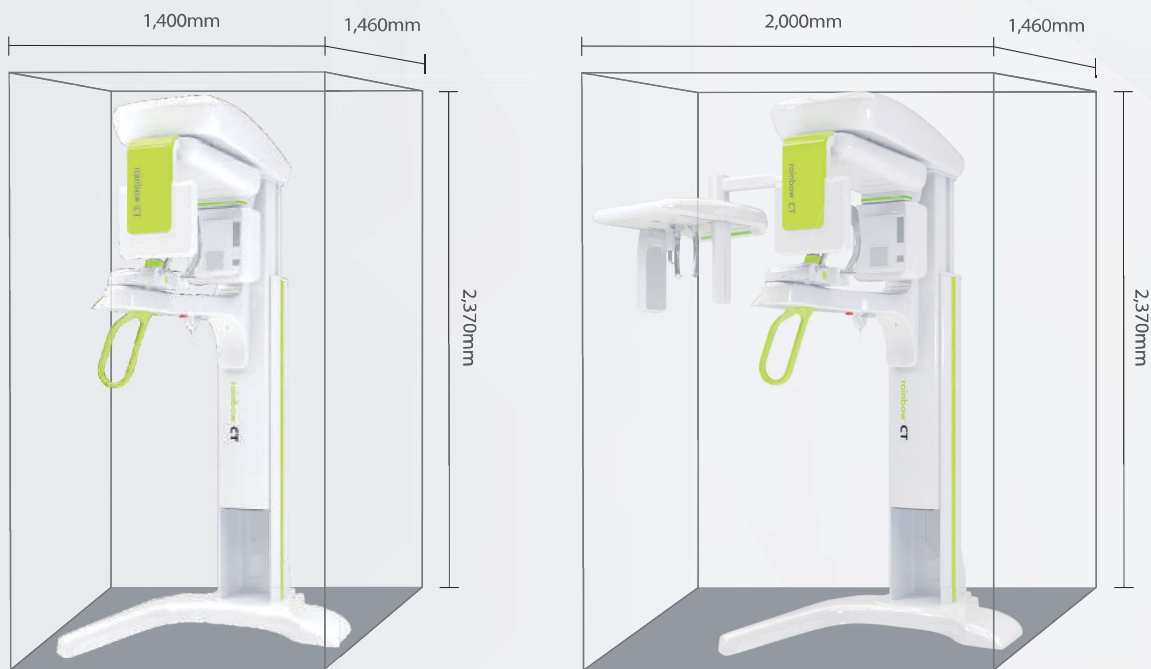

Before   After

Technical Specification

Function	CBCT + Panorama + Cephalo Ceph Option: One-Shot Ceph, Scan Ceph
Scan time (sec)	CT: 19, Panorama: 19, Cephalo: 19
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 100~

Dimensions (2in1 , 3in1)

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