Ray

ALL NEW RAYSCAN

Getting ready for the Future of Dentistry

01 CBCT

- Superior image processing
- Super high resolution
- Incomparable Free FOV

02 Panoramic

High-definition image quality

03 Cephalometric

One Shot Ceph and other option

04 Object scan

Digital production of dental appliances in combination with RAYDENT Solution

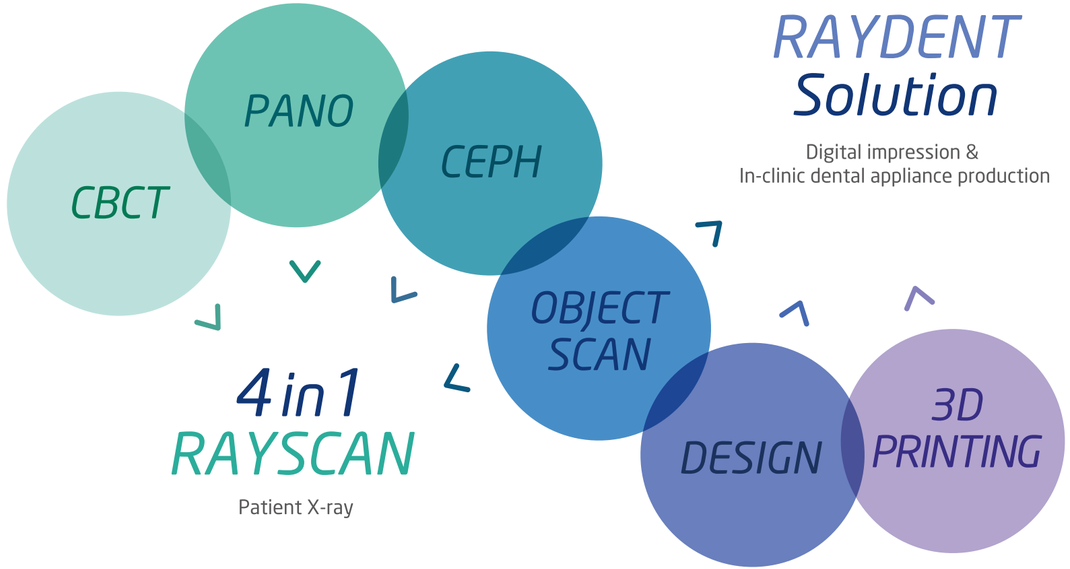
& Rayguard Protection

Real-time monitoring of your system to ensure optimal functionality

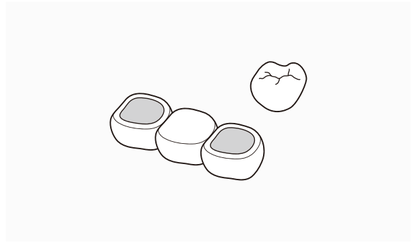
4 in 1
Digital X-ray system

Getting ready for the Future of Dentistry

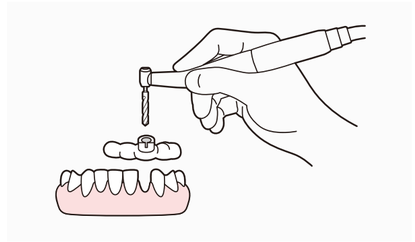
RAYSCAN can be used by itself as 3 in1 digital X-ray(CBCT, PANO, CEPH) or 4 in1 in combination with RAYDENT Solution for in-clinic production of dental appliances. (eg. Temporary crown & bridge, Implant surgical guide, ENDO guide, Tooth aligner, etc)



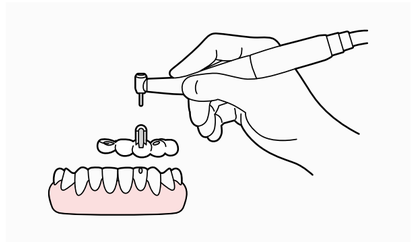
Temporary crown & bridge



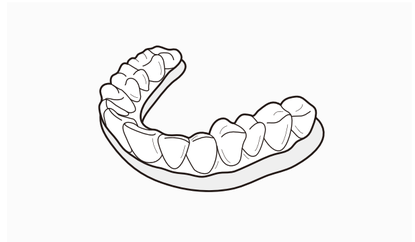
Implant surgical guide



ENDO guide



Tooth aligner

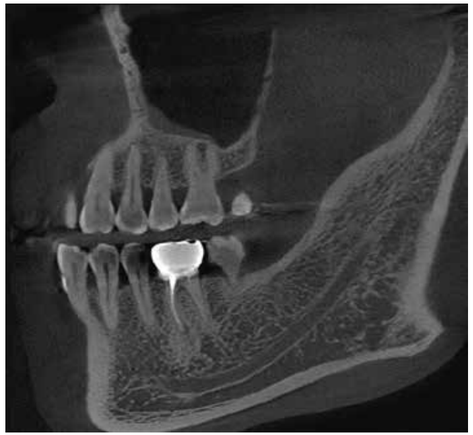


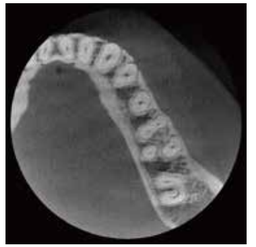
01 CBCT Superior image processing

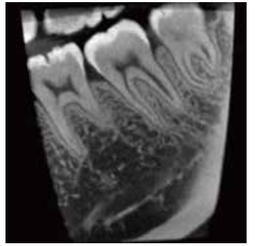
When you need to scan faster···
Down to 4.9 second scan and 4 second 3D reconstruction !

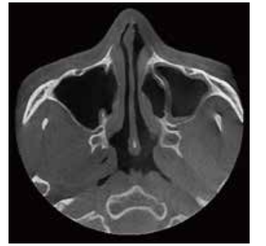
When you need to see more detail···
Up to 70 μm with a focused field of view !

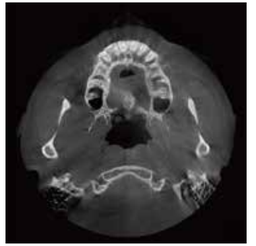
When you need to see more anatomy···
Up to 16 cm diameter field of view reconstructed in 6 seconds !





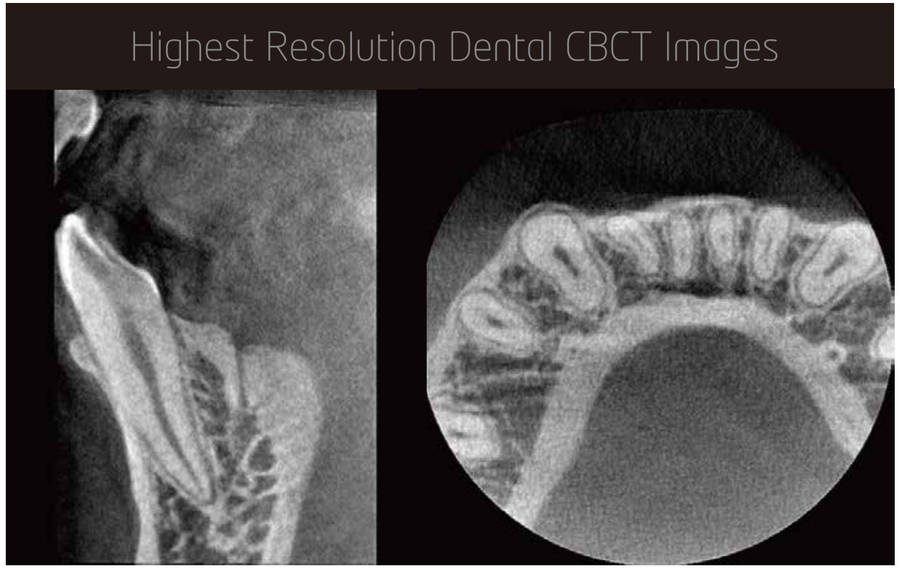






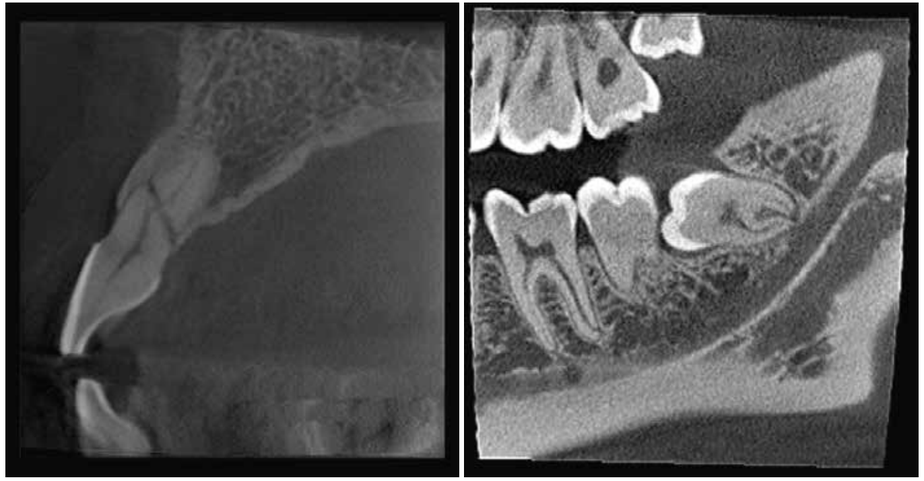
01 CBCT Super high resolution

When you need very precise detail...
Up to 70μm Scan mode for endodontics!



More Detail & Less Time

See more detail using a high-resolution CT image in a specific area.
Do more procedures in less time.



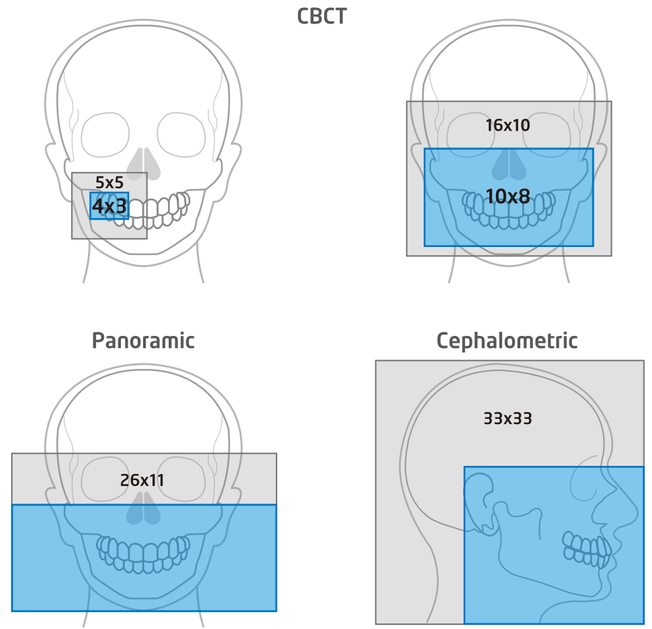
01 CBCT Incomparable Free FOV

See where you focus
with Light guided free FOV

Visible X-ray Guide of RAYSCAN Alpha plus indicates the location of the area to be scanned.

The user can conveniently adjust the FOV according to the purpose of the treatment.

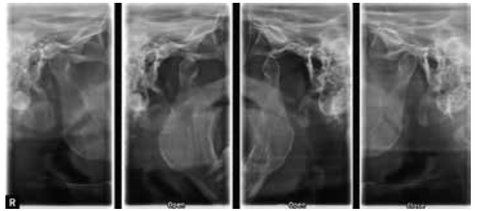
Dose Reduction



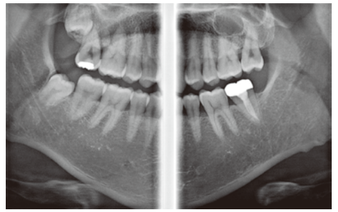
02 Panoramic

The state of the art technology for high-definition image quality.

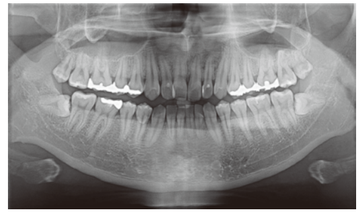
TMJ



Bitewing

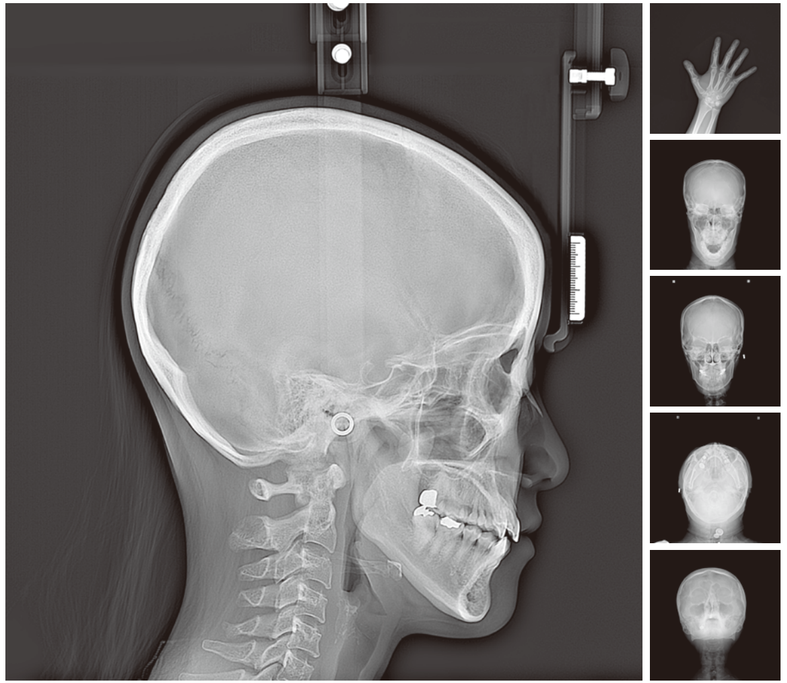


Orthogonal



03 Cephalometric

One Shot Cephalometric Imaging acquires images in less than
1 second to reduce image distortion !



Choose from two sizes of one shot cephalometric sensors.
A scanning ceph is also available for a smaller overall unit footprint.

One Shot Cephalometry

Our cutting-edge Flat Panel Detector(FPD) provides a new level of performance and reliability while reducing radiation exposure and image distortion due to patient's movement. Two different sizes of FPD are available.

Scanning Cephalometry

Our scanning ceph module allows clinicians to upgrade their diagnostic capabilities while keeping costs to a minimum.

04 Object scan in combination with RAYDENT Solution

Object scan is a breakthrough 3D scanning method to acquire 3D data from impressions and plaster models.

RAYSCAN Object scan

- Digital production of dental appliances in clinic or lab.
- Applications include Crown & bridge, Implant surgical guide, ENDO guide, Tooth aligner, etc.
- On-line design supports.
- Seamless workflow from CT scanning to 3D printing.

RAYDENT designer

RAYDENT Printer

1. Scan
CT impression scan

2. Design
Simple & easy CAD

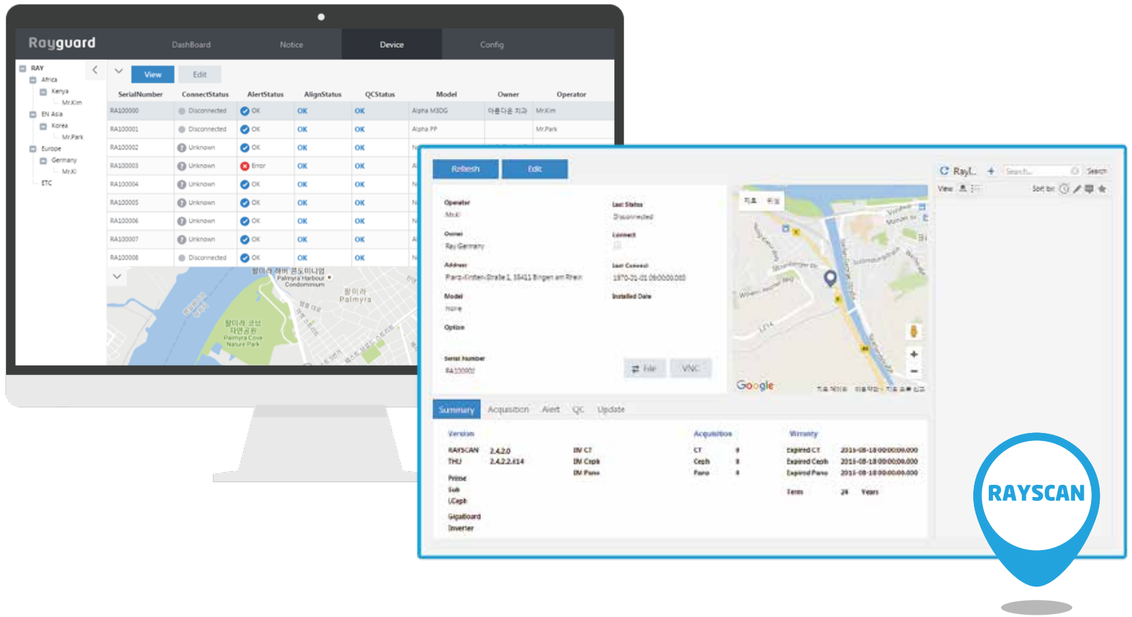
3. 3D Printing
Fast & accurate 3D Printing

4. Results
Dental appliances

& Rayguard Protection

Real-time monitoring to ensure optimal functionality

Rayguard is a real-time monitoring service to take care of your RAYSCAN 24/7.
It provides peace-of-mind by resolving your issues before you even report it.
What you get is immediate technical supports.



Specifications of RAYSCAN

	α (P/SC/OCS/OCL)	α (3D/SM3D/M3DS/M3DL)	α+ 130 (RCT700)	α+ 160 (RCT700)
Type	Panoramic, Cephalometric	Cone Beam CT, Panoramic, Cephalometric		
Patient positioning	Standing (Wheelchair accessible)			
Focal spot	0.5			
Tube current	4~17mA			
Tube voltage	60~90kVp			
CBCT				
FOV size	Pano / Ceph only	10X10cm, 9X5cm	Max. 13x10cm	Max. 16x10cm
FOV support		Multi FOV	Free FOV	
Voxel size		100~300μm	70~300μm	
Scan time		5.8~14sec	4.9~14sec	
Fast scan mode		Yes		
Object scan support		Yes (Option)		
Panoramic				
Image size	Max. 15cm (H)			
Scan time	Max.14sec			
Free FOV support	No		Yes	
Cephalometric				
Option type	None, SC, OCL, OCS			
Free FOV support	No		Yes	

	Cephalometric (Option)		
Type	SC (Scanning Ceph)	OCS (One-shot Ceph Standard)	OCL (One-shot Ceph Large)
Image size	Max. 26x22.5cm	Max. 30x25cm	Max. 33x33cm
Scan time	3.8~9.9sec (α) 3.7~19.8sec (α+)	0.6 / 0.8sec	0.2 / 0.5sec

IDEA BRONZE

REDDOT WINNER

GD BEST OF BEST

GD AUSTRALIA

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