



RAYSCAN S

Large FOV(20x20) 4 in 1
Pano / Ceph / CBCT / CT impression scan

Patient safe and easy operation

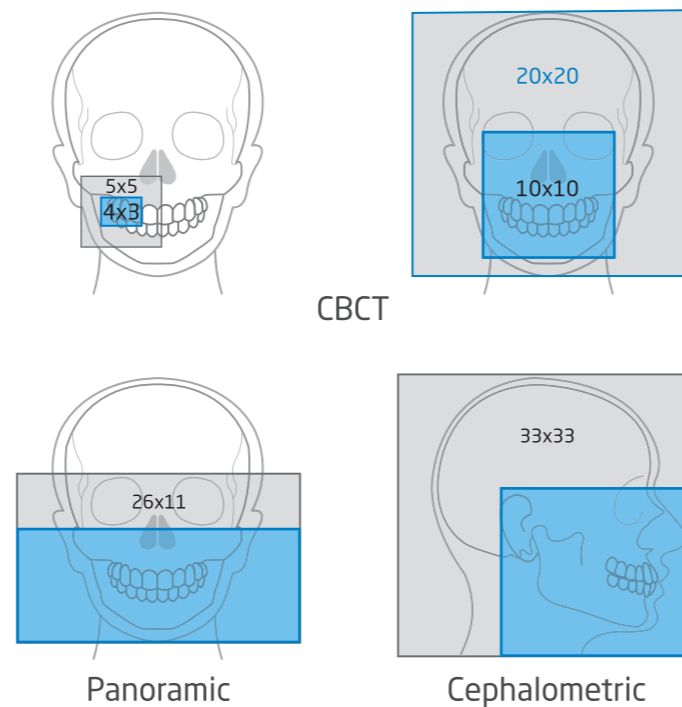
Visible X-ray guide

- Used for FOV positioning assistance.
- Provides a visual guide of the area to be scanned, limiting unnecessary exposure to your patient.



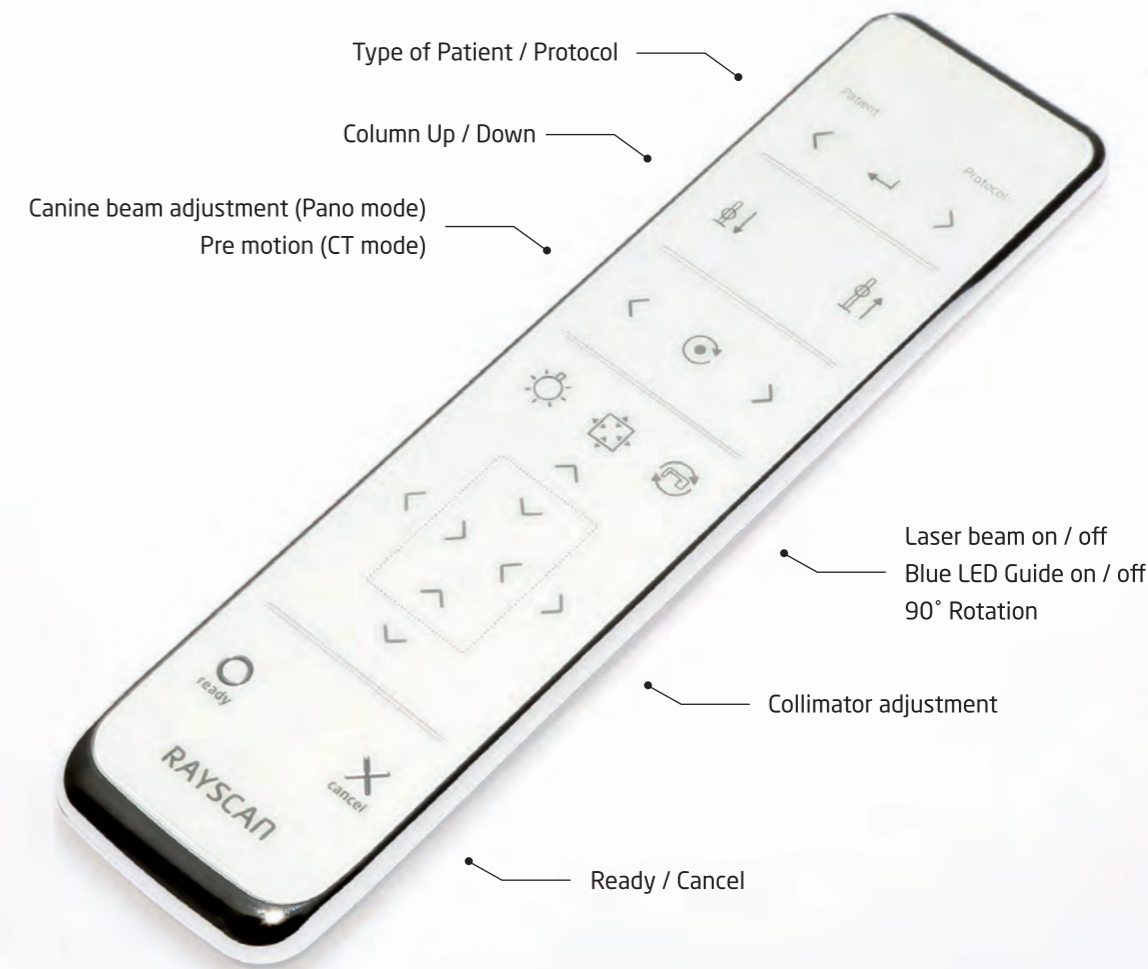
See where you focus
with Light guided free FOV

Dose Reduction



Wireless remote control

Non-directional wireless remote control facilitates your patient positioning easier than ever.

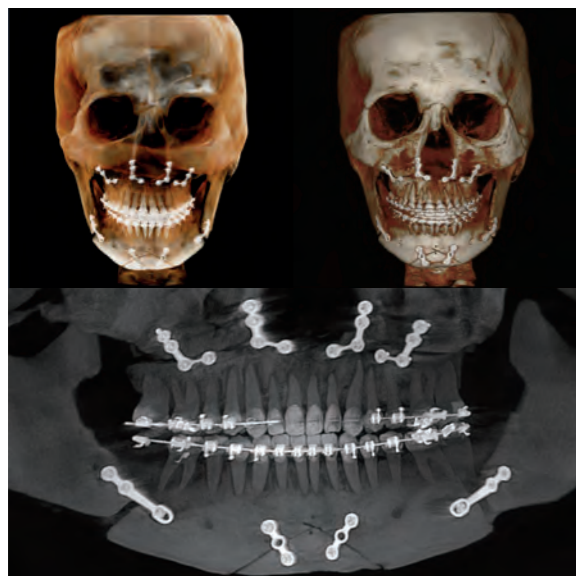


All-in-one scanner for every clinical specialty

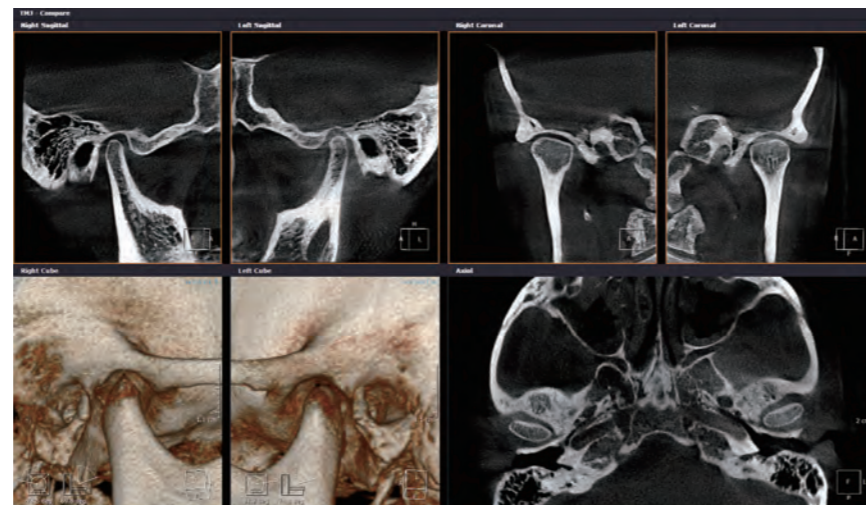
Thanks to the endless efforts and continuous contribution from dental professionals all over the world.

RAYSCAN S provides accurate diagnostics for treatment that can be applied to all forms of digital dentistry.

ORAL AND MAXILLOFACIAL SURGERY



Assessment of pre-operation and post-operation



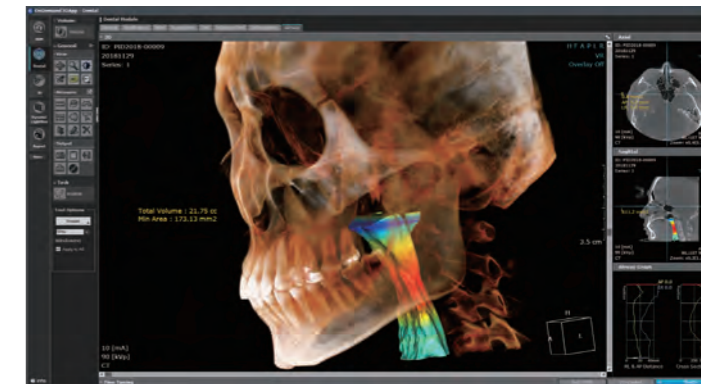
Capture both left and right TMJ with a single capture; the 200 μ m TMJ images aid to diagnosis a variety of TMD

ORTHODONTICS



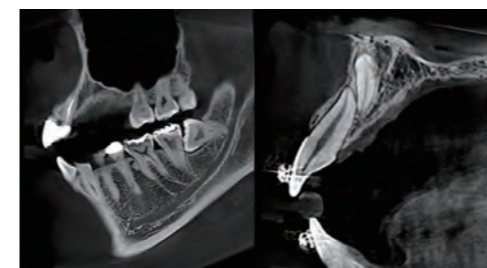
3D radiographic analysis supports accurate diagnosis and optimal treatment objectives without any distortion and superimposition of other structures.

AIRWAY ANALYSIS



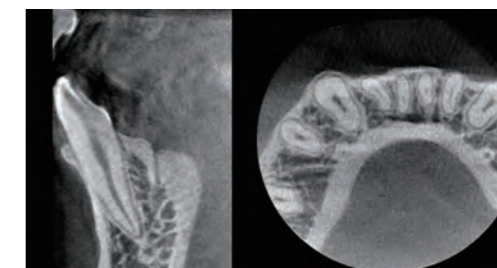
Excellent visualization of static airway morphology. The airway space should be evaluated systematically with the capability to measure airway dimensions.

IMPACTED TEETH



It helps to determine the exact location of impacted teeth and amount of root resorption adjacent teeth.

ENDODONTICS



Scan and reconstruct at 70 μ m with a focused field of view for precise endodontic cases.

PERIODONTICS



Crystal clear image for precise dental caries.

Various diagnostic value with Cephalometric images

- Highly advanced a-Si TFT built-in sensor deliver high quality images less than 1 second.
- The visible light guide helps to reduce unnecessary X-ray dosage from 8x8 to 33x33 different image sizes.



Lateral



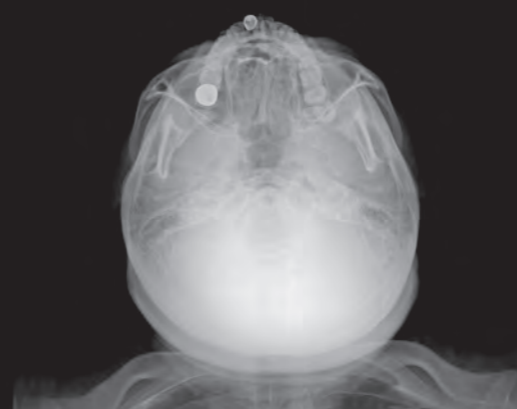
Lateral Wide



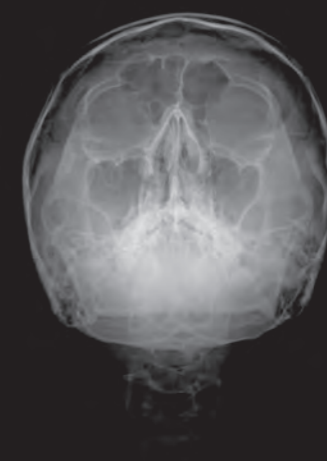
PA



Carpus



SMV



Waters



Reverse-Towne

CT impression scan

A breakthrough innovation in digitizing patients' dentition without the need for any additional optical scanning devices.

- Provide crystal clear STL output
- Digital patient plaster

CT scan directly digitizes your impressions without angular errors in full arch scan.

- Applicable various clinical applications are evaluated with Ray Key opinion doctors



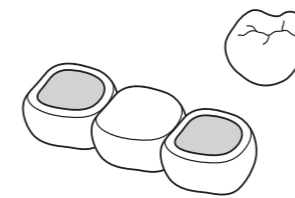
Partial arch



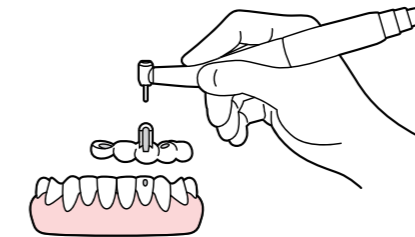
Full arch



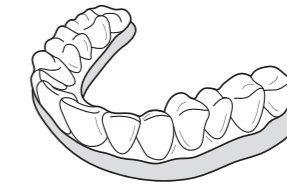
Clinical Applications



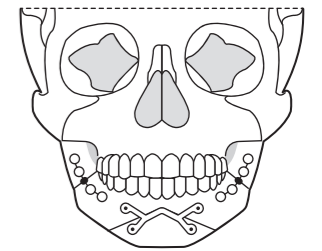
Teeth
(Crown & Bridge)



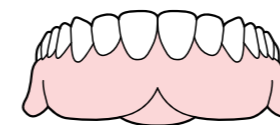
Surgical Guide



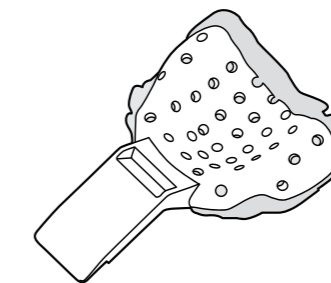
Clear aligner



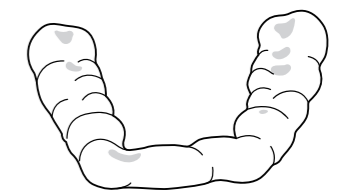
Orthognathic
surgical guide



Denture /
Prosthesis duplication



Custom tray
Bleaching tray



Bite Splint
Crown lengthening guide

Specifications

* Availability varies by country and its regulation.
Item may be optional or not available.
Contact your sales representative for details.

RAYSCAN S (RCT800)

| Type | Cone Beam CT, Panoramic, Cephalometric, Object scan (CT Impression)* | | | |
|----------------------|--|------------------------------|---------------------------|--|
| Patient positioning | Standing (Wheelchair accessible) | | | |
| Focal spot | 0.5 | | | |
| Tube current | 4~17mA | | | |
| Tube voltage | 60~100kV | | | |
| | CBCT | | Panoramic | |
| FOV size | Max. 20x20cm | Image size | Max. 12cm (H) | |
| Free FOV support | Yes | Free FOV support | Yes | |
| Scan time | 4.9~16sec | Scan time | Max. 14sec | |
| Voxel size | 70~300 μ m | | | |
| Fast scan mode | Yes | | | |
| Object scan support* | Yes (CT Impression and model scan) | | | |
| | 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 | Max. 20s | Max. 0.8s | Max. 0.5s | |

RAYDENT Converter for CT impression scan

Conversion Software Requirements

Windows 7 64bit (or higher)
Intel 5th Gen Core i5 above
8GB RAM (or higher)
NVIDIA GeForce GTX750 2GB, AMD Radeon HD 8000 2GB, Intel HD graphic 4600 (or higher)
Monitor Resolution 1366x768 (or higher)





Ray America Inc.

NJ office 725 River Road, Suite 118, Edgewater NJ 07020, USA
CA office 6000 Dale Street, Suite 104, Buena Park CA 90621, USA
Phone 1.800.976.4586
Fax 1.310.861.1911
Email info@rayamerica.com
Web www.rayamerica.com

Ray Co., Ltd.

332-7, Samsung1-ro, Hwaseong-si, Gyeonggi-do, 18380, Korea
Phone +82.31.605.1000
Email ray_sales@raymedical.co.kr
Web www.raymedical.com