

Powerful AI

Eliminate your routine burdens with our AI

Dentium MAR

Improved metal artifact reduction feature

Unique

New concept of leading the orthodontic assessment

Compact

Free from the size of your practice

P R O D U C T C A T A L O G



bright CT

Dentium

RIGHT IMAGE AT THE RIGHT DOSE

bright CT is a versatile CBCT system featuring the broadest range of fields of view in its category, ideal for practices that want to expand their treatment capabilities.

MULTIPLE FOV



17.5X15

Full arch Maxillo-facial
Zygomatic Implants



12.5X9.5

Standard



5X5

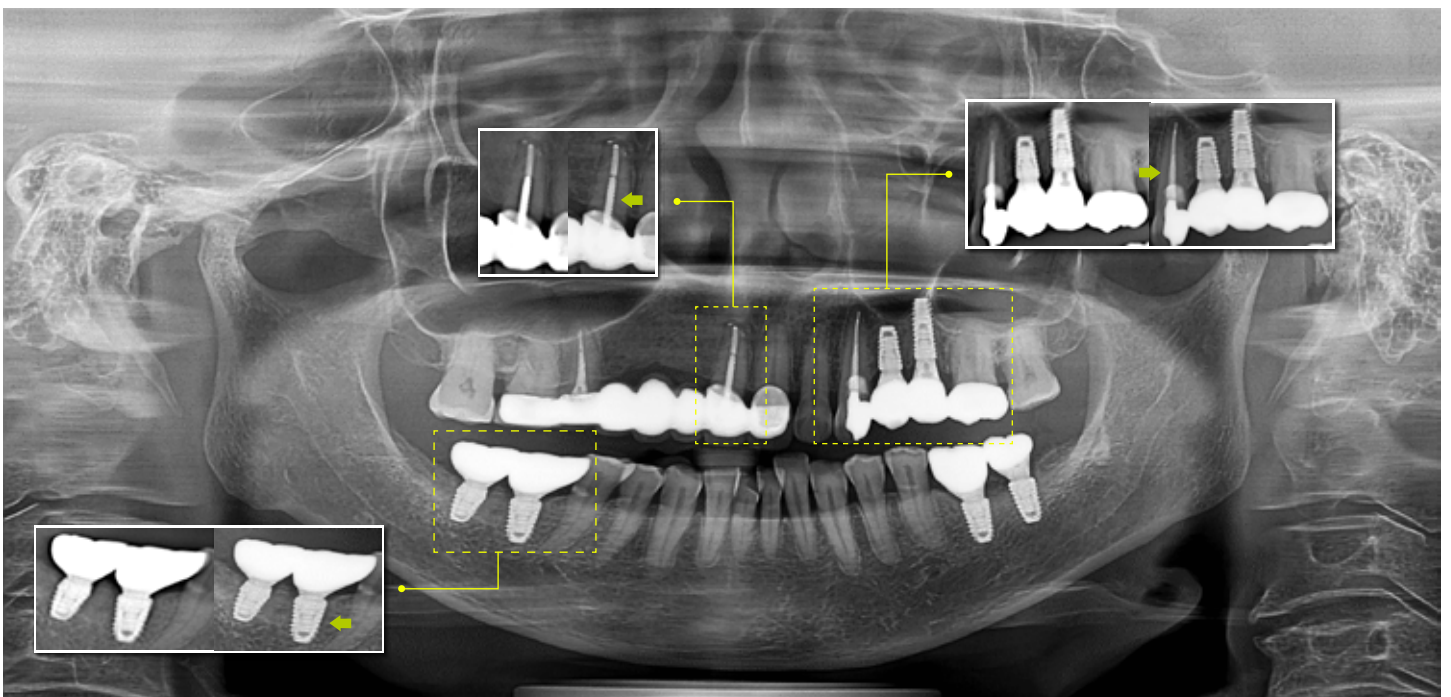
Local Endodontics



With up to 5 fields of view, it covers all clinical needs for implants, periodontal, endodontic and orthodontic procedures, as well as oral surgery and airway analysis

CRYSTAL CLEAR PANORAMIC

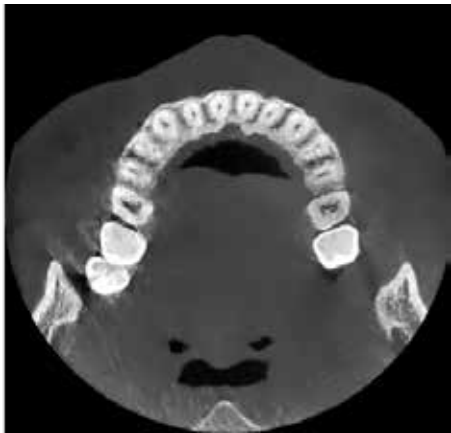
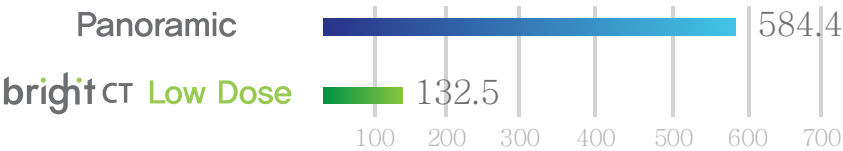
With multi-layered technology, multiple images are taken, and each of those images are further segmented. The system automatically selects the best segments and compile them into one optimized panoramic image.



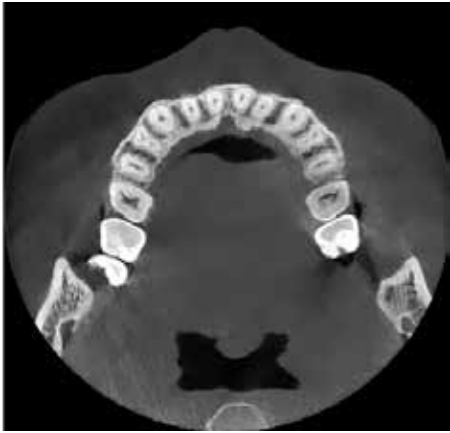
LOWER DOSES, GREATER QUALITY

bright CT is equipped with Metal Artifact Reduction (MAR) algorithm to minimize streaks and dark bands caused by the presence of metal.

LOW DOSE



Normal



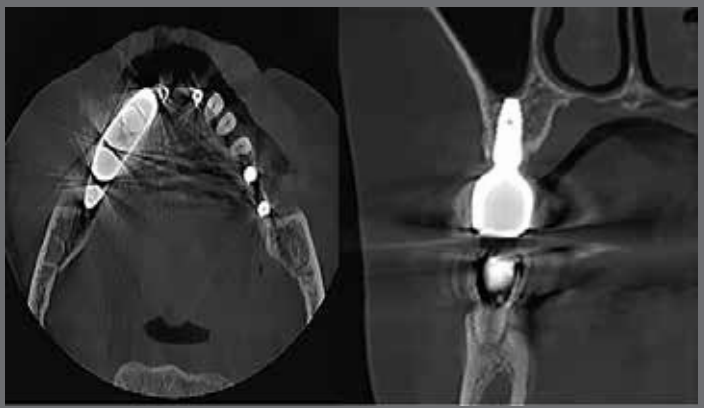
Low Dose



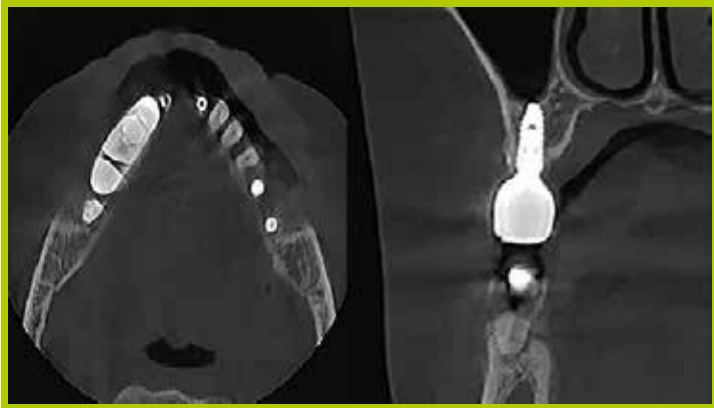
Through advanced engineering, a Dose Reduction Mode optimizes the intensity of the X-rays which lowers exposure for easily penetrated tissues.

MAR

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



Without MAR

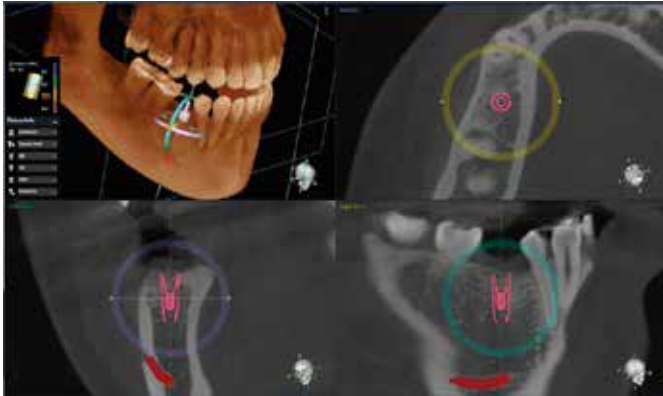


With MAR

EFFICIENT 3D VOLUMES FOR EVERYONE

Delivered with the smart Dentium AI software, bright CT is an essential tool for treatment planning and post-procedure follow-up.

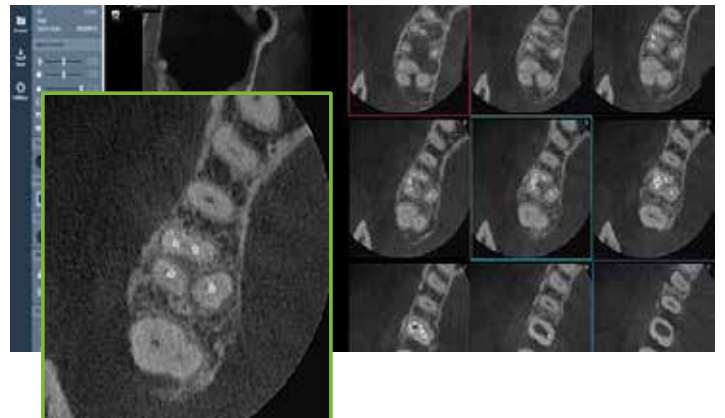
IMPLANT PLANNING ✔



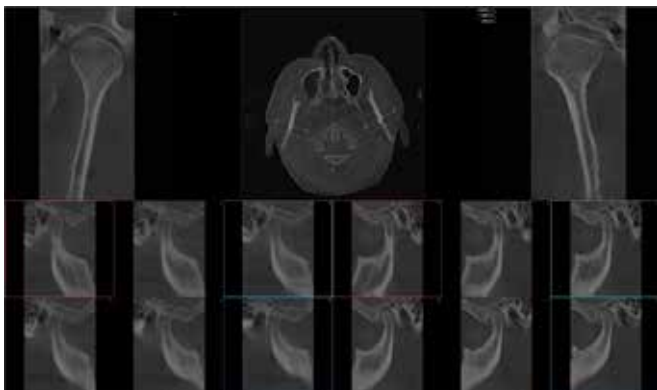
Dentium AI automatically detects the position of the missing teeth and sets the initial position of fixture and crown to minimize implant planning.

✔ ENDODONTICS

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



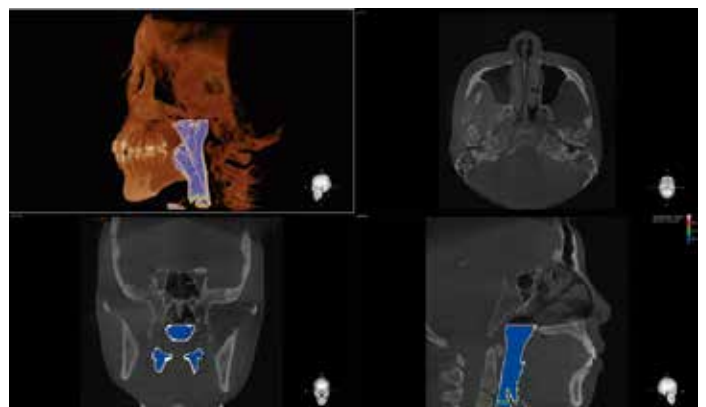
TMJ ✔



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.

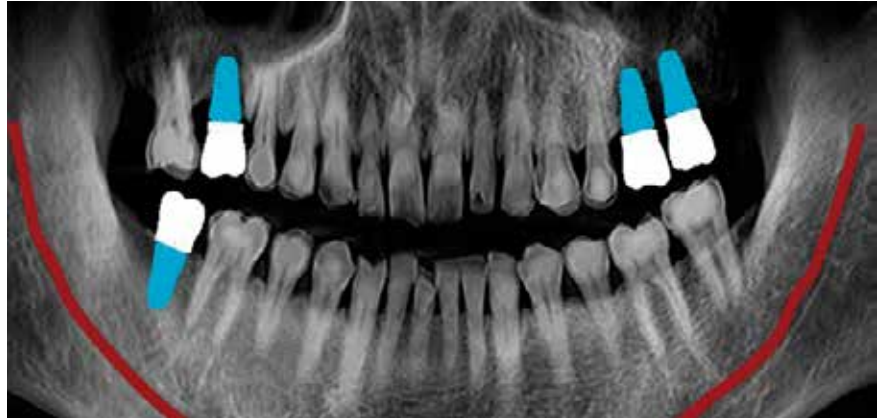
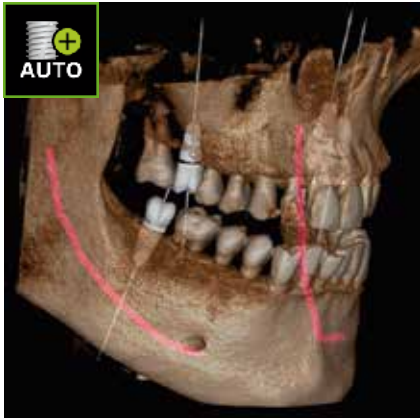


AI-AISSISTED IMPLANT PLANNING

Delivered with the smart Dentium AI software, bright CT is an essential tool for treatment planning and post-procedure follow-up.

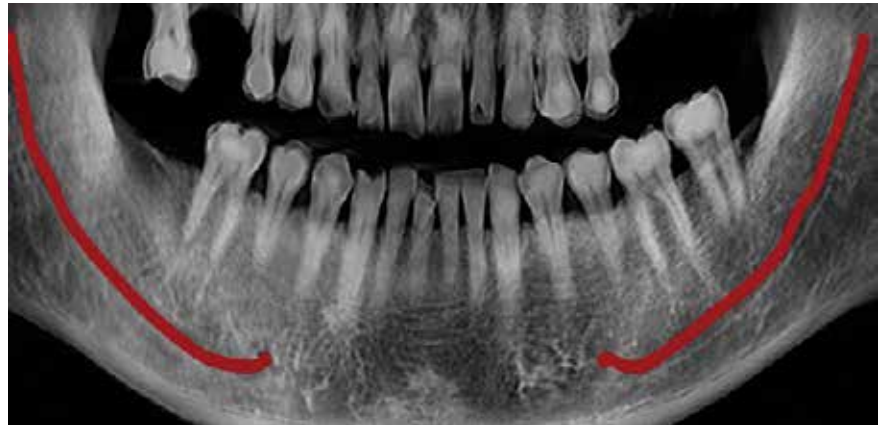
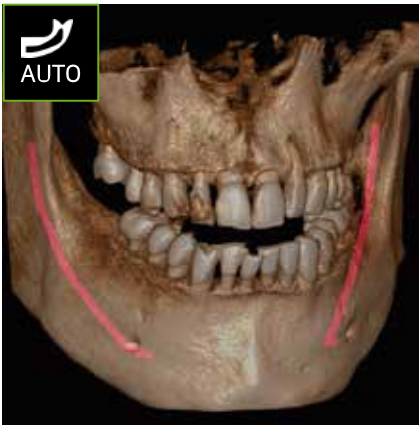
✔ FIXTURE / CROWN

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



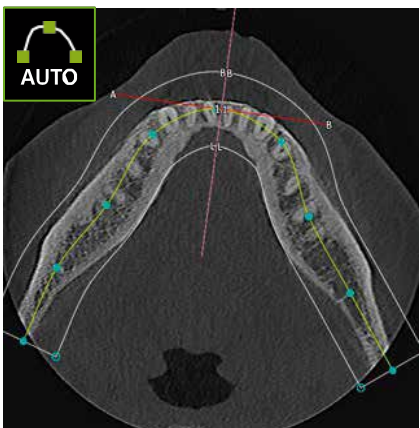
✔ NERVE

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



✔ ARCH

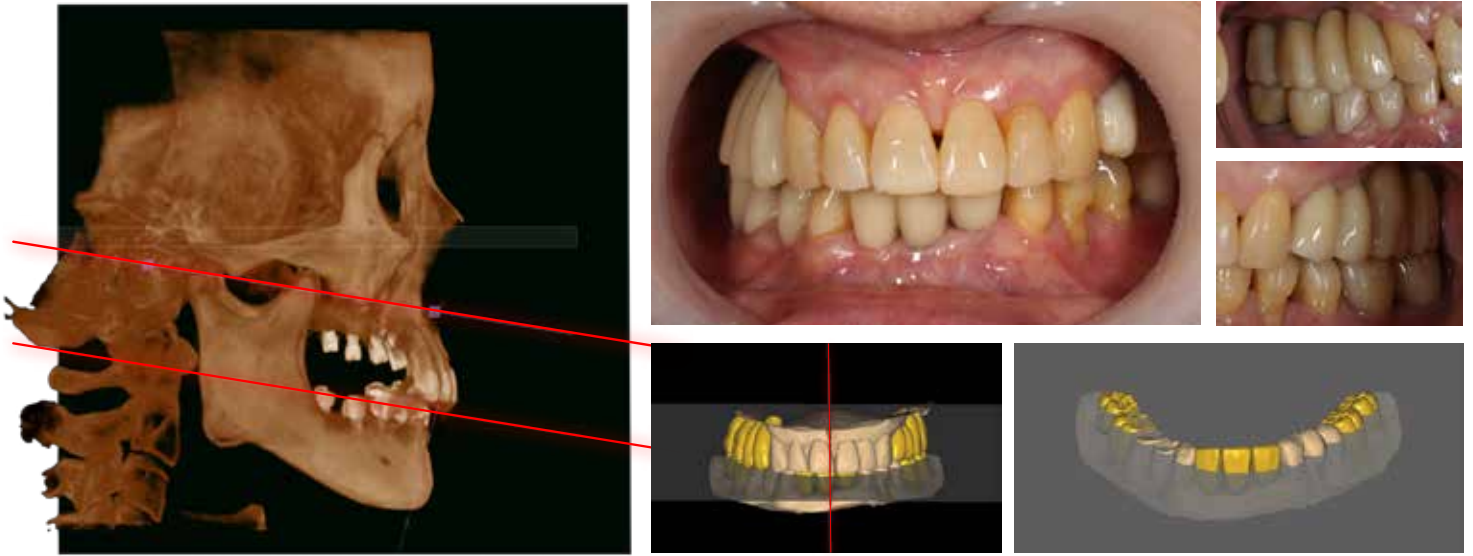
Dentium AI algorithm automatically generates arch line in just a few seconds with accurate rate.



AI-POWERED CBCT APPLICATIONS

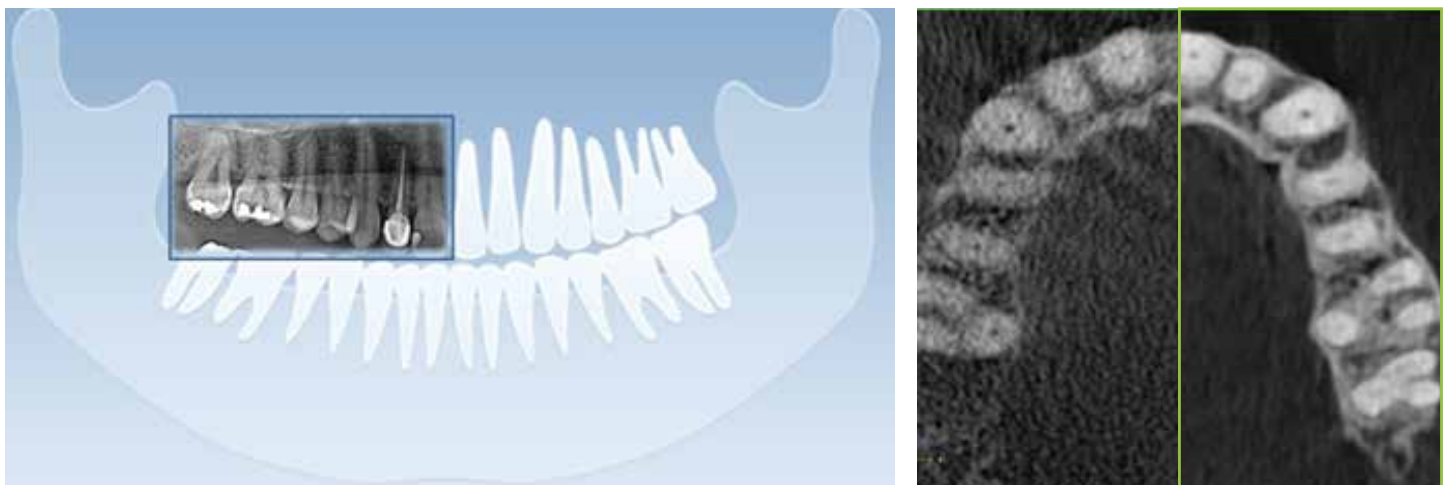
Dentium AI automatically detects the landmarks on the scanned image for orthodontic treatment.

✔ AI OCCLUSAL PLANE



bright 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.

✔ NOISE REDUCTION TECHNOLOGY



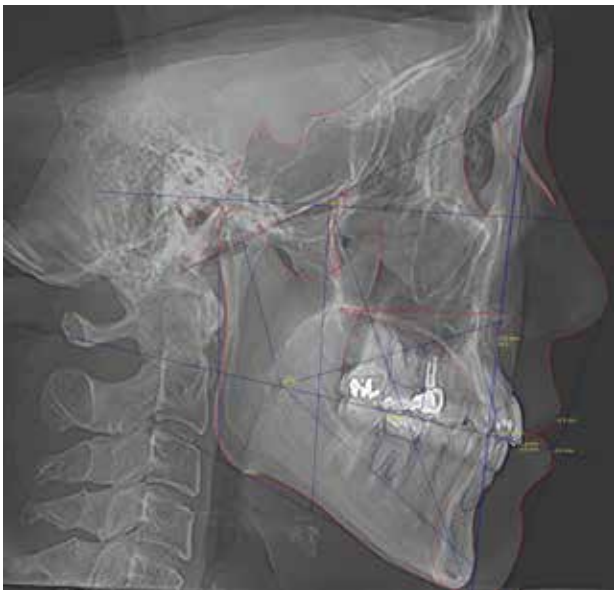
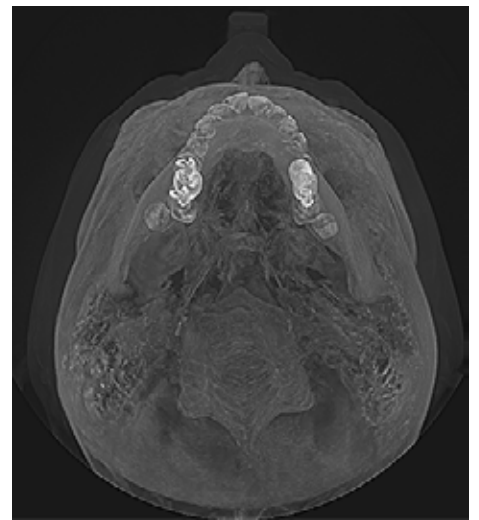
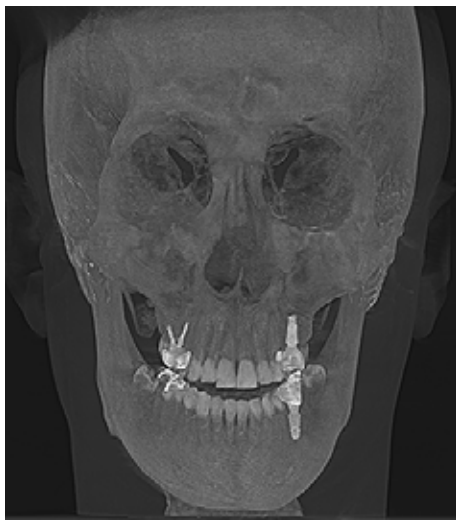
Reduced-noise images without losing valuable details and allows lower exposure values. This feature improves image quality when using comparatively small region of interests (e.g. in the endodontic imaging mode).

THE NEW ERA OF CEPHALOMETRIC

Innovative image processing algorithm allow you can capture and analyze precise cephalometric images quickly and accurately.

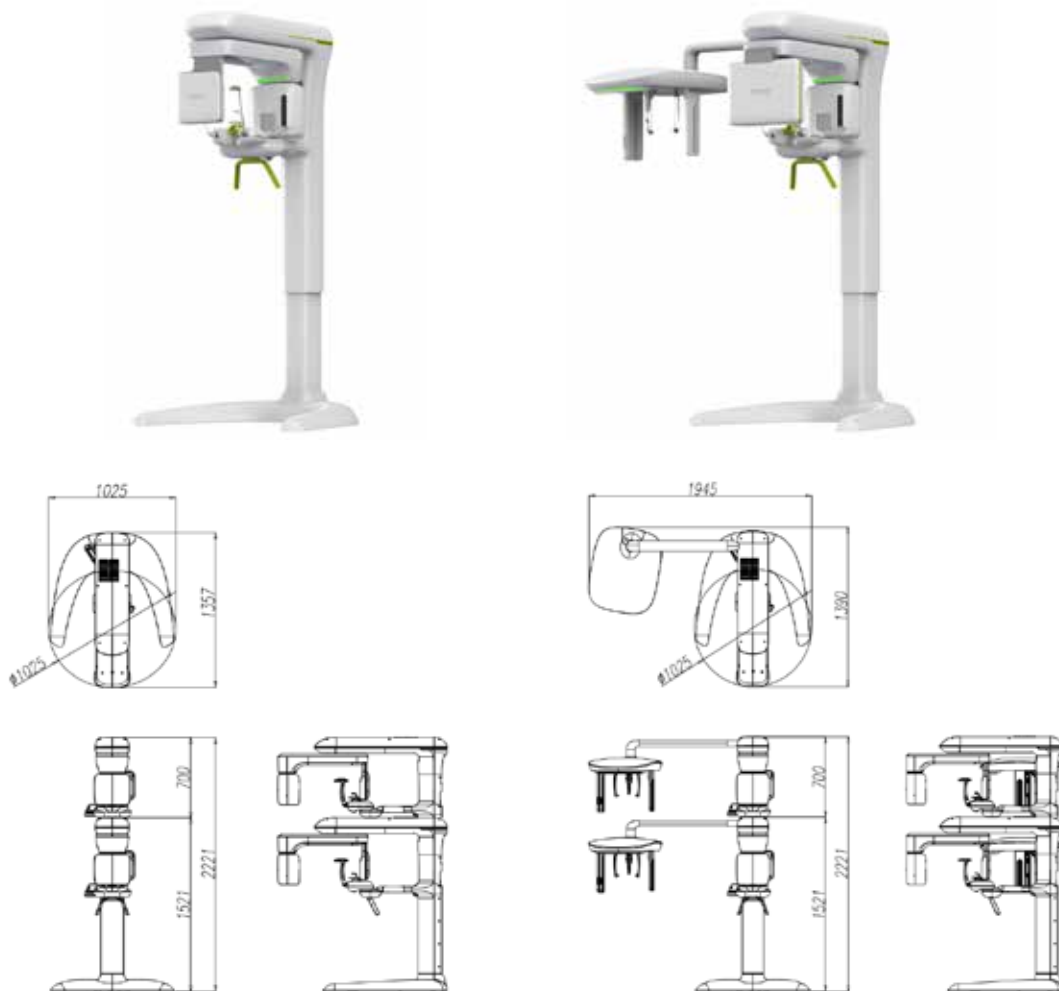
✔ VIRTUAL CEPH

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



LESS SPACE FOR CEPHALOMETRIC

Compactness is the key. bright CT is a space-saving device: with unique Virtual Ceph feature and its sleek design, the footprint of the device is reduced to zero. Its exceptional light weight and its reduced size guarantees a seamless integration of the device in any environment.



		1T	1TC	2T	2TC	2TS	2TSC
Tube type		High frequency DC generator					
Focal spot		0.5 mm					
Detector		CMOS					
FOV		5x5 ~ 12x9.5 cm		5x5 ~ 17.5x9.5 cm		5x5 ~ 17.5x15 (Stitching)	
Voxel size		80 ~ 300um					
Scan Time	Pano	11.8 sec					
	CT	10 / 15 / 20 sec		X		10 / 15 / 20 sec (Stitching: 20 / 30 / 40 sec)	
	Ceph	X	6 sec	X	6 sec	X	6 sec
	Impression	39.5 sec					

MEMO

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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