

Dentium



bright CT

Powerful AI

Eliminate your routine burdens with our AI

MAR Plus

Improved metal artifact reduction feature

Unique

New concept of leading the orthodontic assessment.

Compact

Free from the size of your practice. bright CT might be the solution.

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

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.



22 x 20 cm (4T)
Maxillofacial
zygomatic implants



17.5 x 9.5 cm
Full arch
with 3rd molar



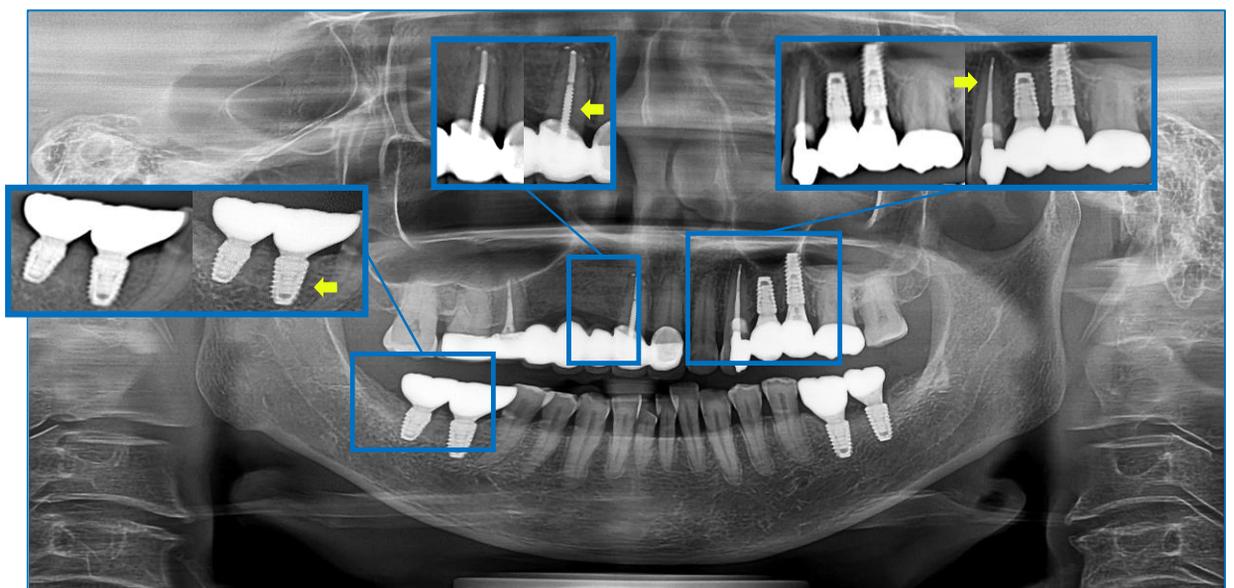
12.5 x 9.5 cm
Standard



5 x 5 cm
Local
Endodontics

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.

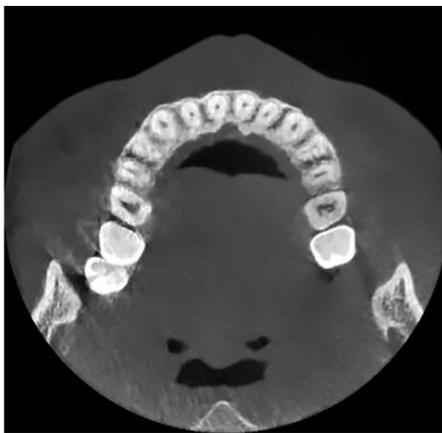
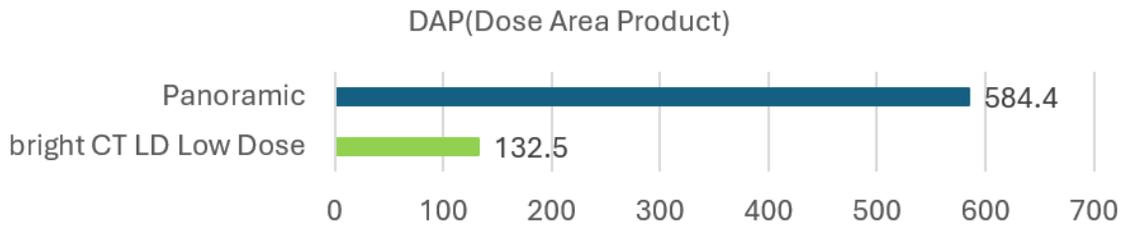


LOWER DOSES, GREATER QUALITY

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

Low Dose

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



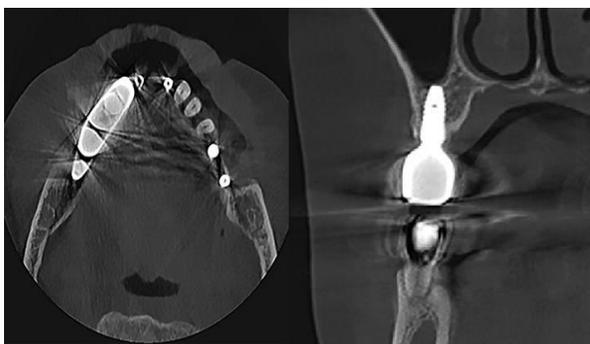
Normal



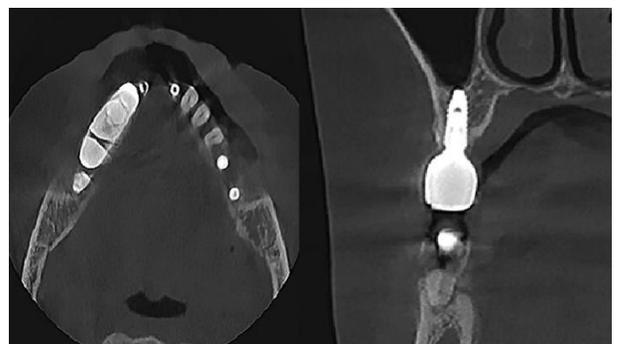
Low Dose

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

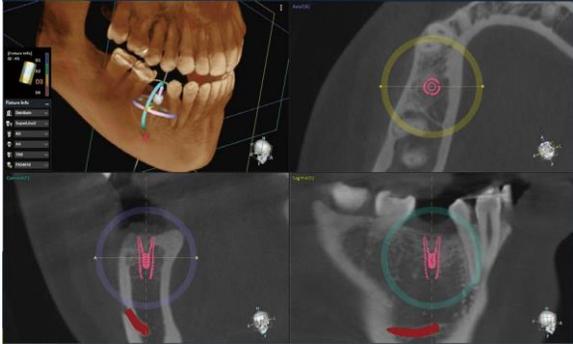


With MAR

EFFICIENT 3D VOLUMES FOR EVERYONE

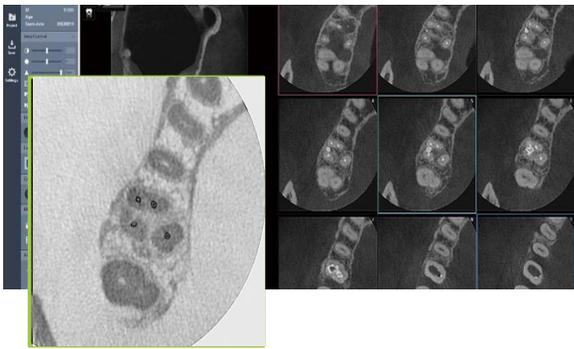
Delivered with the smart Dentium AI software, bright CT is an essential tool for treatment planning and post-procedure follow-up.

Implant Planning



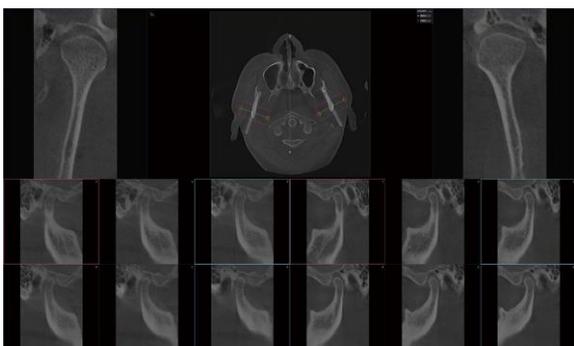
Dentium AI automatically detects the position of the missing teeth and sets the initial position of fixture and crown to minimize implant planning.

Endodontics



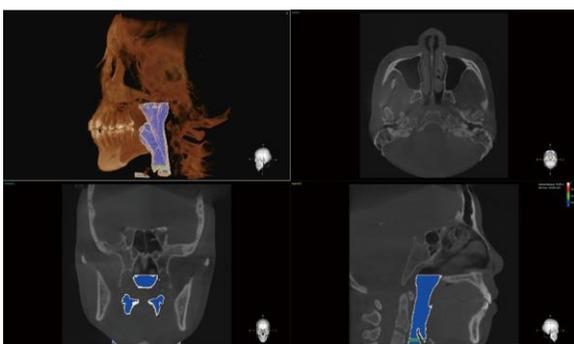
Endo mode provides with a maximum resolution of 80µm. Invert (Positive/Negative) diagnostic mode helps identify more accurate images.

TMJ



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

Airway Analysis



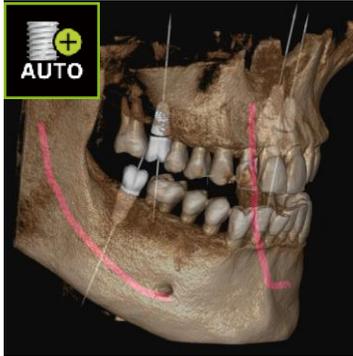
Airway module allows users to easily segment the airway in just a few clicks.

AI-ASSISTED IMPLANT PLANNING

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

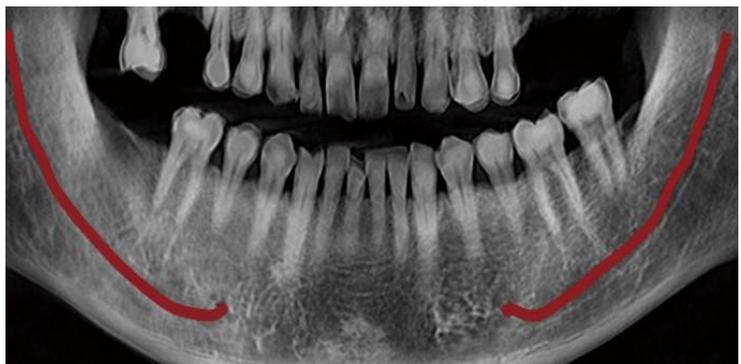
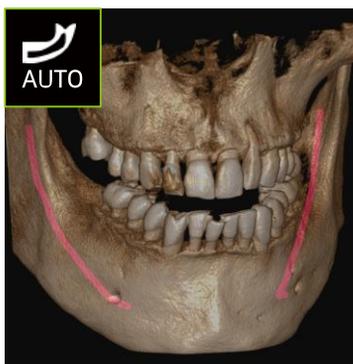
Fixture / Crown

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



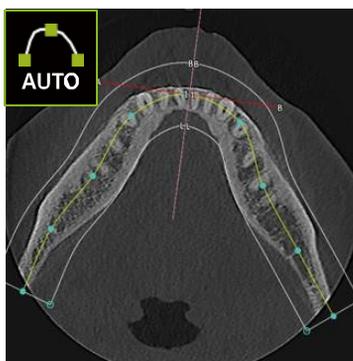
Nerve

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.

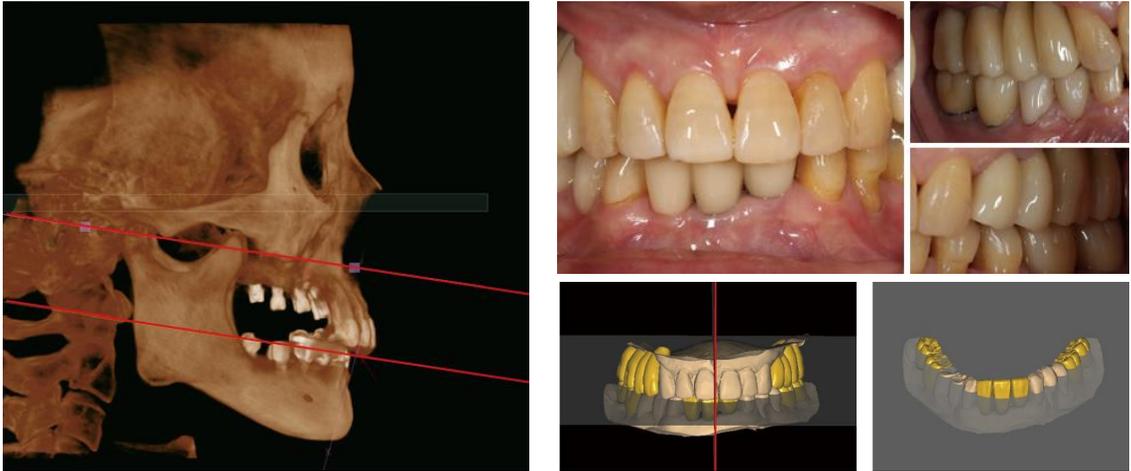


AI-POWERED CBCT APPLICATIONS

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.



De-Noising Algorithm

Noise-free images without losing valuable details and allows lower exposure values by reducing noise. This feature improves image quality when using small voxel sizes (e.g. in the endodontic imaging mode).

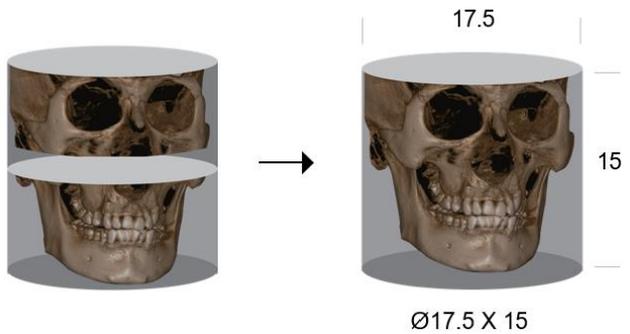
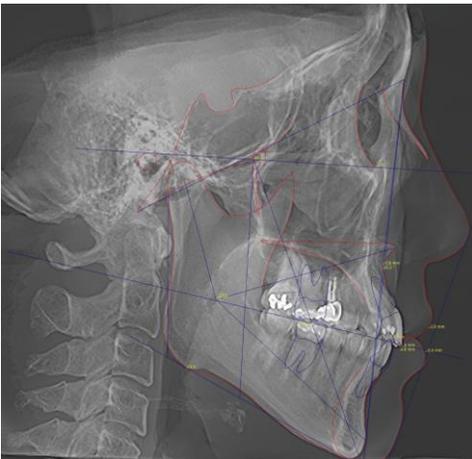
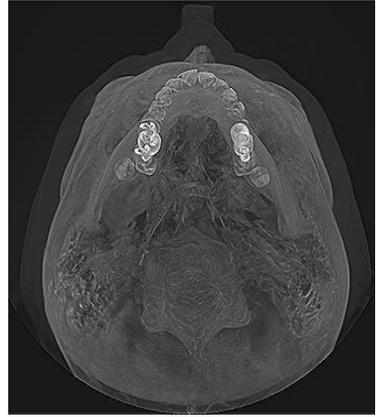
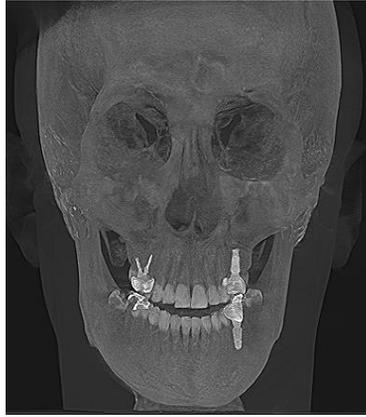


THE NEW ERA OF CEPHALOMETRIC

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

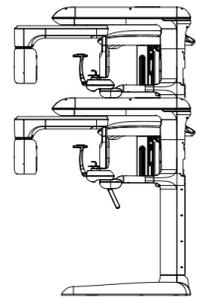
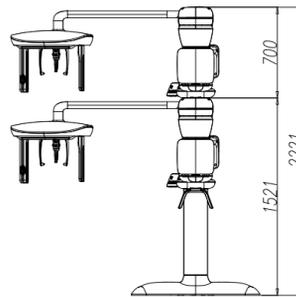
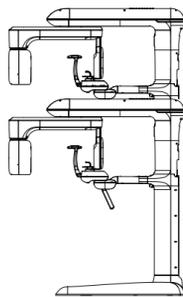
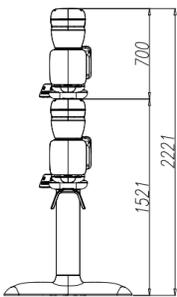
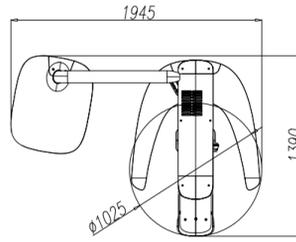
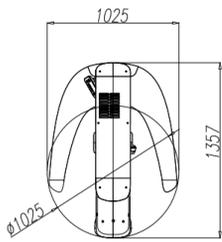
Virtual Ceph

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



ZERO 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.



Function	bright CT-1T	bright CT-1TC	bright CT-2T	bright CT-2TC	bright CT-2TS	bright CT-2TSC	
Focal Spot	0.5mm						
CT FOV(cm)	Free FOV(5X5 ~ 10X9.5) 12X9.5		Free FOV(5X5 ~ 10X9.5) 12X9.5 17.5X9.5(Wide)		Free FOV(5X5 ~ 10X9.5) 12X9.5 17.5X9.5(Wide) 17.5X15(Stitching)		
Voxel Size	80um~400um						
Scan Time	Pano	11.8sec					
	CT	전체: 10sec/15sec/20sec		Free FOV, 12X9.5: 6.6sec/13.4sec/20sec 17.5X9.5: 10sec/15sec/20sec		Free FOV, 12X9.5: 6.6sec/13.4sec/20sec 17.5X9.5: 10sec/15sec/20sec 17.5X15(Stitching): 20sec/30sec/40sec	
	Ceph	X	6sec	X	6sec	X	6sec
	Model	38.4sec					