

FUSSEN

داینا دنت

DENTRIX 50

2 IN 1 | 3 IN 1 CBCT



داینا دنت
نماینده انحصاری فیوژن در ایران
fussengroup.ir

CE NMPA

V1.0 20240301

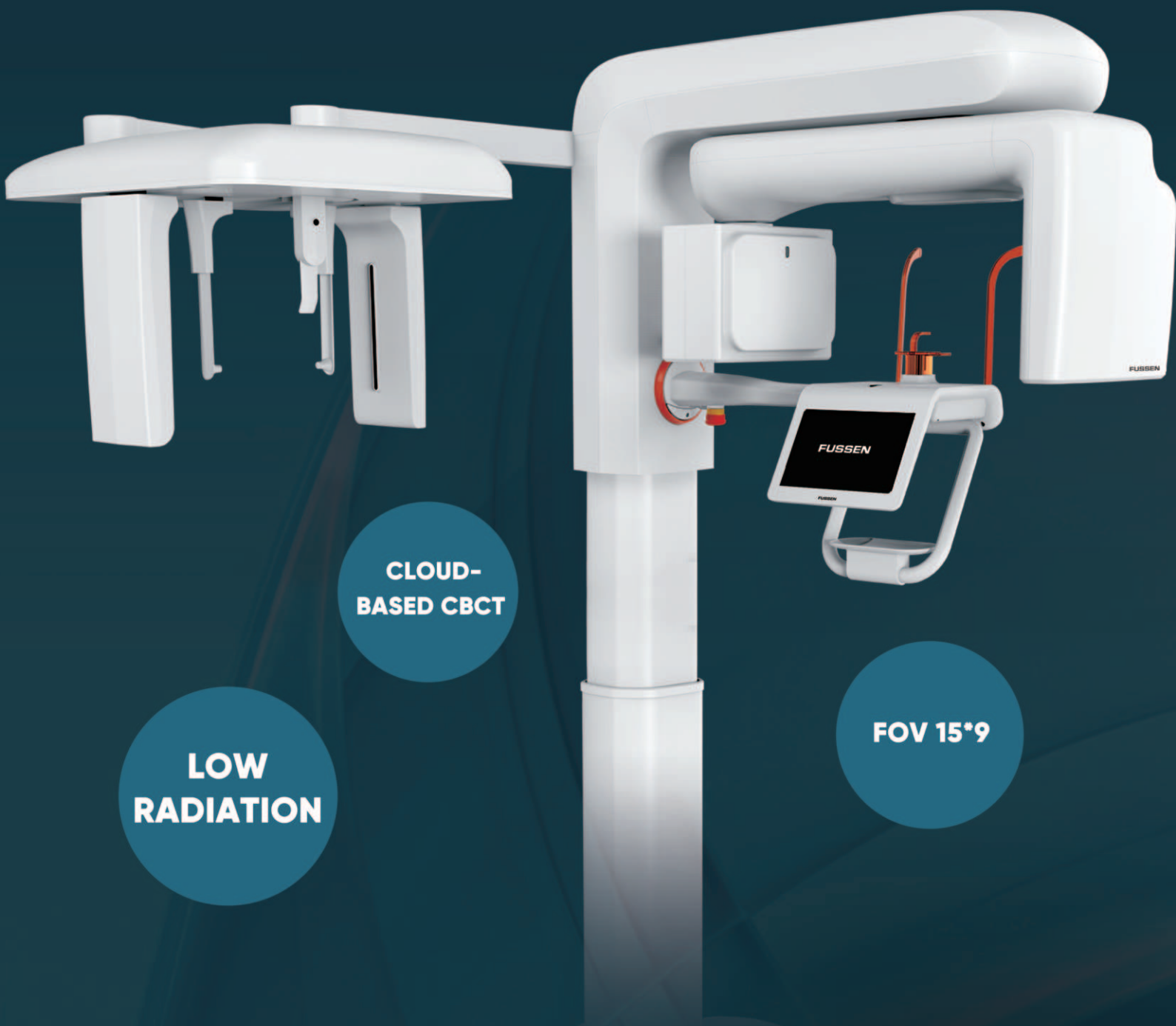
ABOUT FUSSEN

FUSSEN is a leading global provider of digital solutions for dentistry. Since its establishment in 2010, FUSSEN has been committed to providing comprehensive digital solutions for dental clinics, facilitating the digitized management of imaging equipment and supporting the dental industry in achieving full lifecycle management. Our products are distributed in over 50 countries worldwide, serving over 80,000 dental clinics globally. With a rich product line and advanced software functionalities, we offer diverse product combinations to meet the unique needs of different clinics and markets, making us the preferred choice for dental professionals.



DENTAL VALUED PRODUCTS

YOUR BEST CHOICE FOR AN AI-BASED AND MULTIFUNCTIONAL CBCT



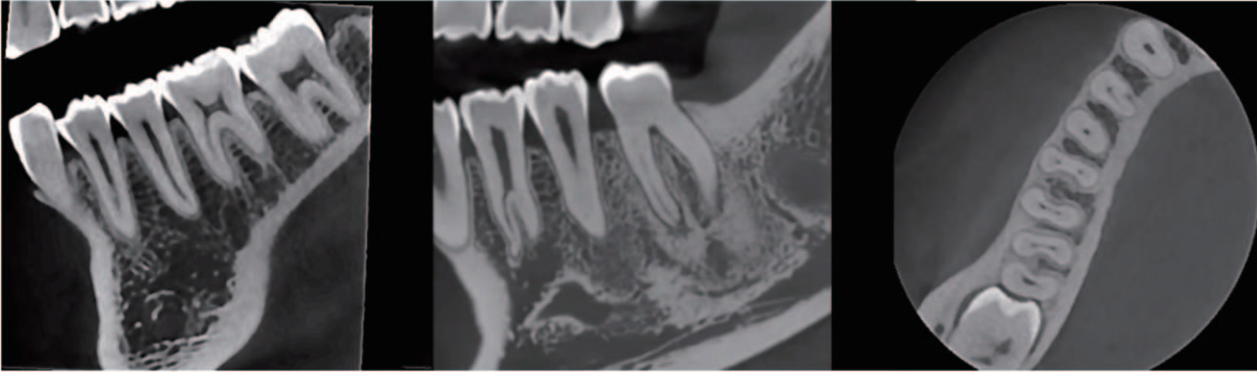
**CLOUD-
BASED CBCT**

**LOW
RADIATION**

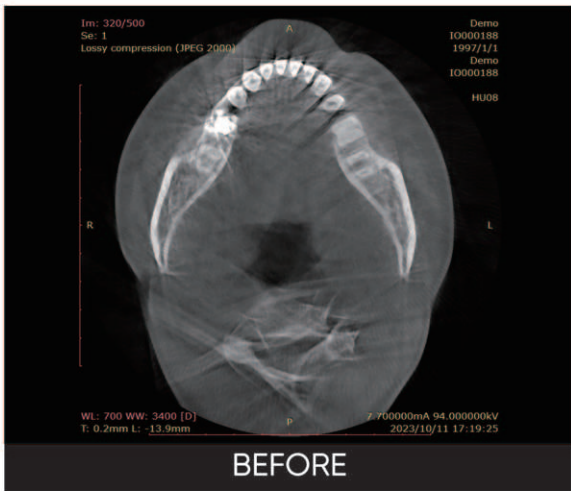
FOV 15°9

ADVANCED IMAGE QUALITY

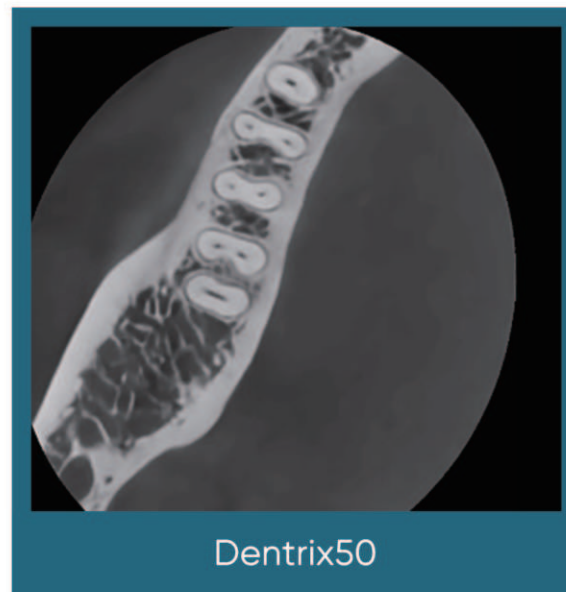
- 75 μm VOXEL SIZE CAPTURES SMALLER DETAILS



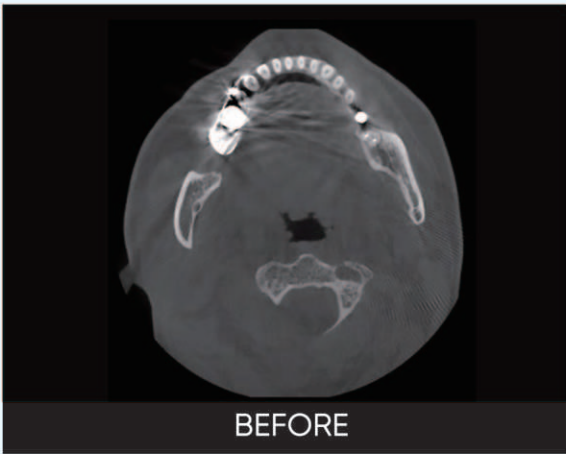
- PATIENT MOTION CORRECTION



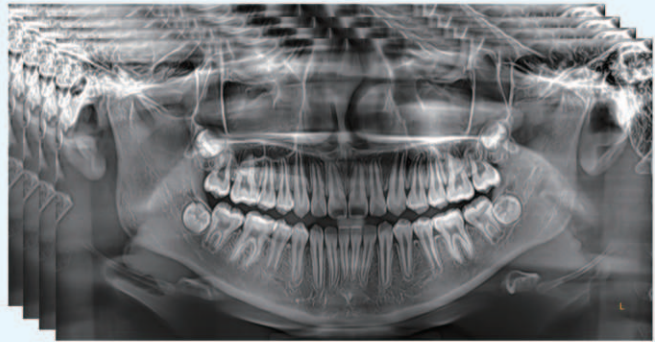
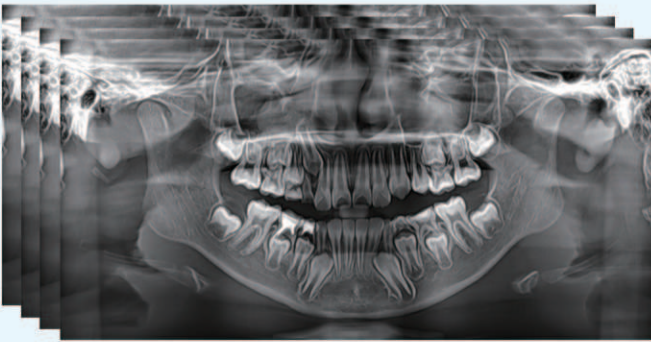
- DYNAMIC NOISE SUPPRESSION



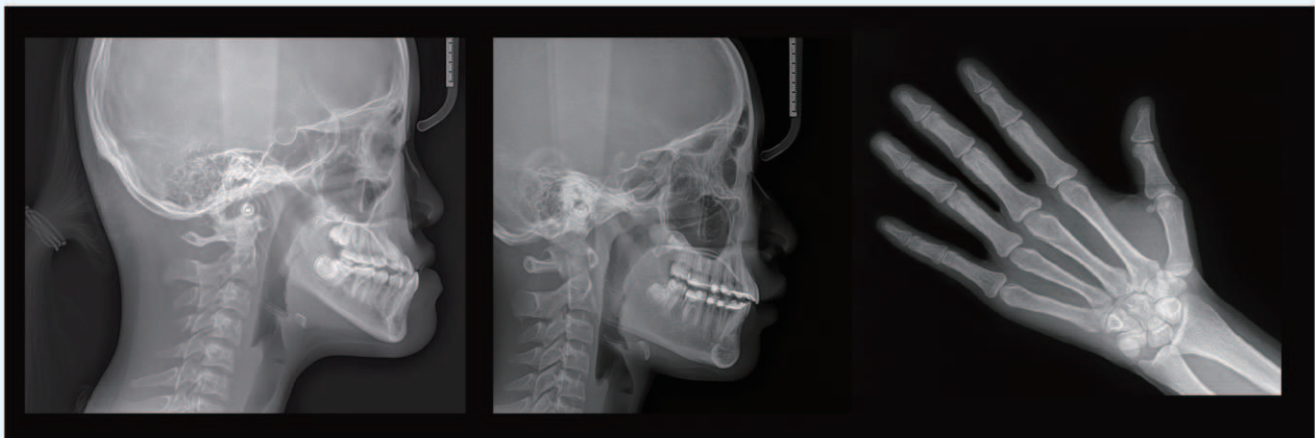
- METAL ARTIFACT REDUCTION



- MULTI-LAYERED PANORAMA

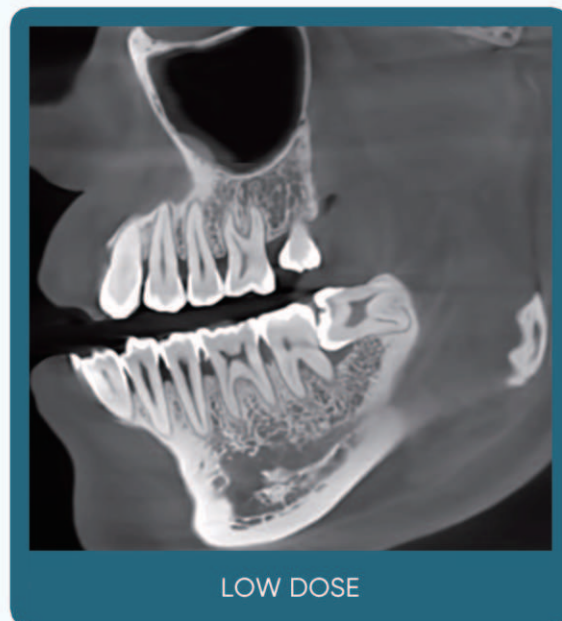
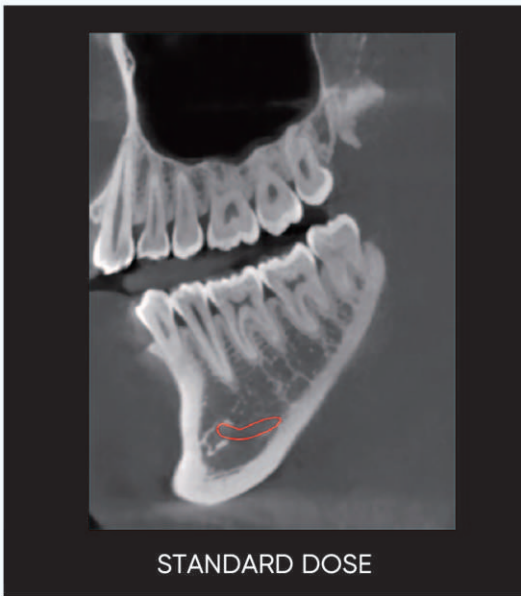


- VARIOUS CEPHALOMETRIC MODES



ULTRA-LOW DOSE GENERATES HIGHER QUALITY IMAGES

FUSSEN's CT mode incorporates a low-dose algorithm, reducing the exposure dose by 44.4% and minimizing unnecessary radiation for the well-being of patients. More importantly, the integration of our independently developed artificial intelligence algorithms significantly enhances image clarity while simultaneously lowering patient radiation doses. This improvement is particularly noticeable in imaging low-density tissues, resulting in a substantial enhancement of image quality.



USER-FRIENDLY OPERATION



2D And 3D Imaging With One Sensor

There is no need to change sensors when alternating between CBCT and panoramic imaging, Ensuring that the work of doctors is simpler and more efficient.



Face-To-Face Positioning Makes The Patient More Comfortable

Face-to-face patient positioning not only allows doctors to observe patients without restrictions during the imaging process but also helps prevent patients from experiencing claustrophobia.



Convenient Wheelchair Access Through Side-Entry

The open structure of our equipment not only allows for easy positioning but also provides the doctor with an unrestricted view of the patient. Additionally, it facilitates wheelchair access through the side entrance.



2 Laser Lines For Easy Positioning And Higher Efficiency

Our device uses 2 laser lines for positioning, coupled with the support of intelligent panoramic algorithms, ensuring image quality while making patient positioning easier and more straightforward.



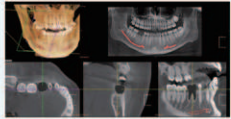
Simple And Easy-To-Operate Touch Screen Platform

Large-sized intelligent control panel with simple and accurate operation.

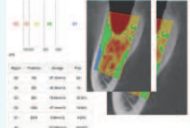


POWERFUL 3D IMAGE REVIEW FUNCTION

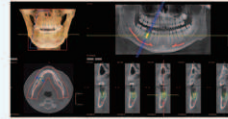
● ONE - STOP IMPLANT SOLUTION



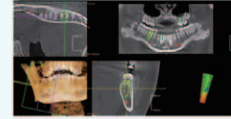
① SIMULATED TOOTH EXTRACTION



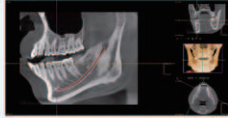
③ BONE DENSITY MEASUREMENT



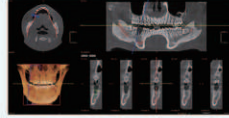
⑤ IMPLANT SIMULATION



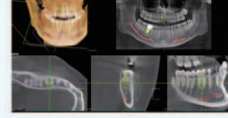
⑦ PERI-IMPLANT BONE DENSITY MEASUREMENT



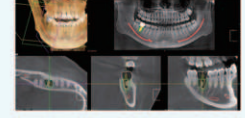
② INFERIOR ALVEOLAR NERVE VISUALIZATION



④ ALVEOLAR BONE DISTANCE SIMULATION

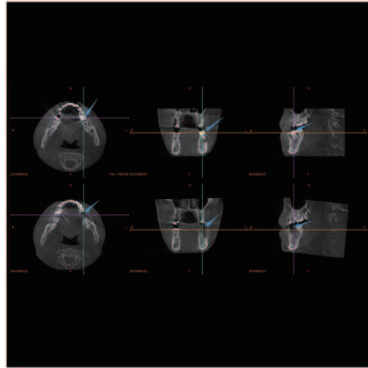


⑥ IMPLANT SIMULATION

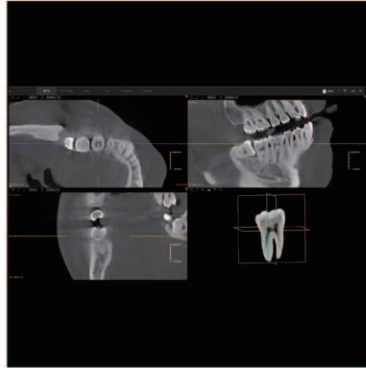


⑧ CROWN SIMULATION

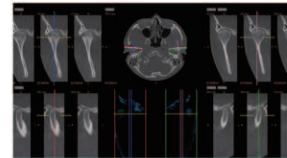
● CT EFFECT COMPARISON



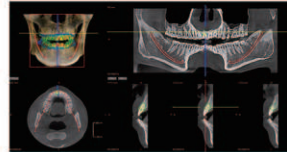
● SHOWING INDIVIDUAL TEETH



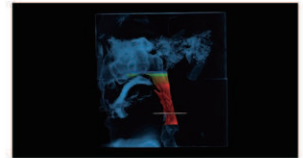
● TMJ JOINT DIAGNOSIS



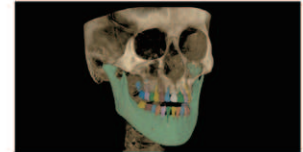
● AUTOMATIC CT AND IOS OVERLAY



● AIRWAY ANALYSIS



● AUTOMATIC SEGMENTATIONS



EFFICIENT CLOUD FUNCTIONS



CLOUD-BASED IMAGE REVIEW

Review the image from the cloud anytime, anywhere. There is also a powerful 3D reading function that supports doctors to work more efficiently and freely.



CLOUD STORAGE

Unlimited storage space reduces data storage costs, also ensures the permanent security of data.



REMOTE CONSULTATION

In the diagnosis of complex cases, experts can use this feature to collaborate with colleagues, share their opinions, and provide professional guidance on challenging cases.



CLOUD-BASED IMAGE SHARING

One-click link sharing of images for smoother doctor-patient communication

TECHNICAL SPECIFICATIONS



	CBCT	PANO	CEPH
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Dentrix 50 2 in 1	•	•	-
Dentrix 50 3 in 1	•	•	•

SPECIFICATIONS	PARAMETER
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Tube Voltage	60~90 KV	
Tube Current	4~10 mA	
FOV(Diameter*Height)	15*9mm ; 5*5mm	
Focal Spot	0.5mm	
Gray Scale	16 bit	
Voxel:	0.25 ; 0.2. 0.1 ; 0.075mm	
Total Filtration	2.5mm Al	
Scan Position	Standing and Wheelchair	
Exposure Time	≤15s	
Reconstruction Time	<45s	
Machine Dimension	2 in 1	1560(L)*1960(W)*1733~2283(H)mm
	3 in 1	1650(L)*1840(W)*1733~2283(H)mm
Recommend installation Space	2 in 1	1900(L)*2100(W)*2300(H)mm
	3 in 1	2500mm*2000mm*2500mm



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