vatech

SPEED, QUALITY, PREDICTABILITY NO COMPROMISE

GreenX 12™

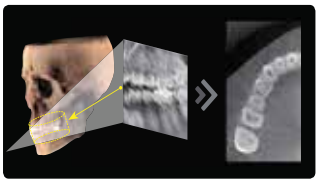
- COMPRESSED SENSING TECHNOLOGY
- HIGHEST RESOLUTION WITH 0.05 mm VOXEL SIZE
- LARGE FOV - 12x14 cm
- FASTEST SCAN TIME
- SMART FOCUS (1 SCAN 5 IMAGES)

MANUFACTURER'S 10 YEARS WARRANTY

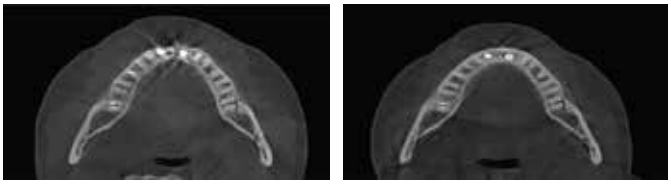
AERB ATOMIC ENERGY REGULATORY BOARD

COMPRESSED SENSING TECHNOLOGY

Vatech dramatically improves its image quality with much less artifact and noise via its Compressed Sensing Technology (CST), iterating its reconstruction process 10 times more than the normal amount to depict the object's true representation



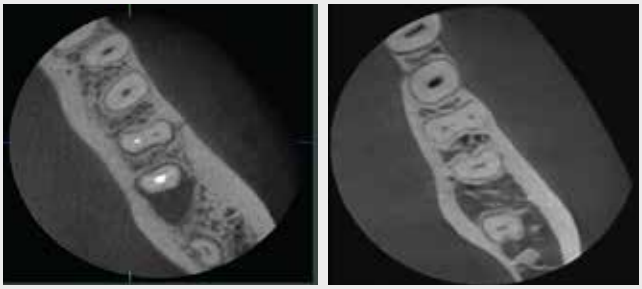
Normal Image Reconstruction vs. Green X 12 Image Reconstruction



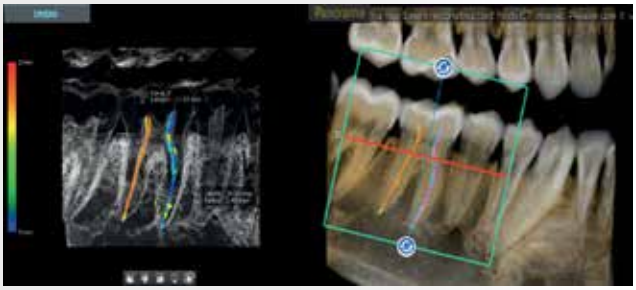
Normal Image Reconstruction vs. Green X 12 Image Reconstruction

ENDO MODE WITH HIGH RESOLUTION

With its 4cm x 4cm volume mode and 50 micron voxel size, the endo mode will optimize treatment of highly-focused regions of interest. It is ideal for endodontic use because the dentist is able to achieve an extraordinary image in a high-resolution voxel size.



Dental Mode vs. Endo Mode



POWERFUL 3D ENDO SOFTWARE

MULTI FOV SELECTION

The Green X 12 offers a range of selectable fields of view. The Multi FOV option allows users to select the optimum FOV mode while minimizing exposure to areas that are not in the region of interest. The selection includes the following FOV sizes for diagnostic needs: 12x14 (Double Scan), 12x8.5, 8x8, 8x5, and 4x4. These options cover the full arch region, sinus and left/right TMJ, and suits most oral surgery cases and multiple implant surgeries.

12x14 (Double Scan)

12x8.5

8x8

4x4

SMART FOCUS (1 SCAN 5 IMAGES)

Green X12 has the latest technology which provides up to three 4x4 high-resolution image achieved from a single shot 1 scan & is known as SMART FOCUS IMAGES which is useful for viewing multiple areas of care in high-resolution without exposing the patient to radiation several times. To make the imaging experience more comfortable & accurate it also auto create panoramic image from the same imaging shot . Therefore, from a single shot scan one can easily get : CT IMAGE + AUTO PANORAMIC IMAGE + 3 SMART FOCUS IMAGE

CT | Auto-Pano | 4*4 Endo

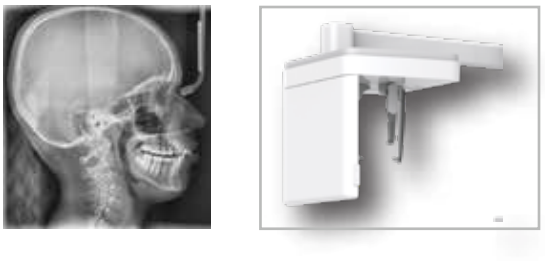
GREEN X 12 RAPID CEPH TECHNOLOGY MINIMIZES MOTION ARTIFACTS

The next step in cephalometric technology, Vatech's new Rapid Ceph minimizes motion artifacts and enables faster diagnostic workflow while providing the highest quality digital images.

GREAT CLINICAL CARE WITH

Smart Rapid Ceph Technology

1.9 sec



3D SCANNING FOR MODEL

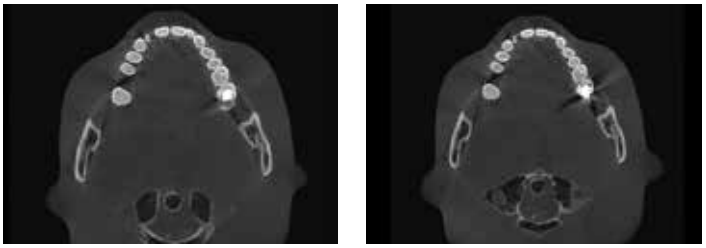
3D model scan enables users to store plasters as digital models. The specially designed Jig offers stable protection from partial model to full model.

*3D scanning for Plaster Cast with FOV 8x8 (cm)

Vatech MAR Function (Artifact Reduction Technology)

Metal artifact hinders visualization and naturally reduces diagnostic confidence. Clear image gives you less stress and more confidence Leads to accurate diagnosis for implant planning & No extra discomfort to create surgical guide.

Art-V On | Art-V Off



ART-V is the new name of VATECH's MAR function. (Artifact Reduction Technology of VATECH)

Ez3D-i

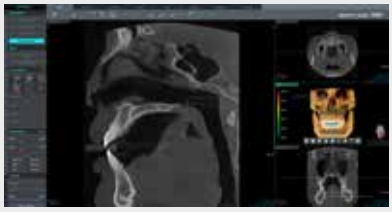
Ez3D-i provides a wide array of functions designed to streamline the dental workflow. Conveniently perform specialized diagnosis and consultation via our easy-to-use user interface.

Diagnosis	Simulation	Consultation
· High Quality of VR · Smart Clipping · One Click Section	· 3-Step Implant Simulation · Top-down Implant Simulation · Implant Collision Detector	· Implant Clipping · 3D Bone Density · EzCodi

Ez3D-i enables Airway analysis

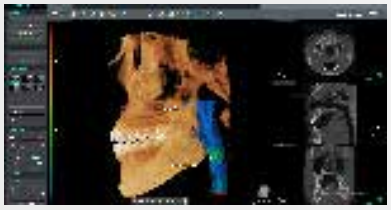
[A powerful function for Airway Volume Analysis]

Ez3D-i's Measure Airway function provides accurate diagnostic information for the airway, which can then be used to diagnose and/or plan treatment for patients with sleep apnea syndrome. The measured airway is also displayed in 3D, providing the user with a powerful visualization tool.



Simple Airway Selection

• Define the airway region in just two clicks.



Automatic Airway Volume Measurement

• Airway is color coded by cross-sectional area

SPECIFICATION

Function		CT + Pano + Ceph + Model Scan
Focal Spot Size		0.5 mm (IEC 60336)
CT FOV Size		4x4 (Endo), 8x5, 8x8, 12x8.5, Smart Focus (12x8.5 + 3 Scan of 4x4 + AutoPano) , 12x14 (Double Scan)
Voxel Size	4x4	0.05 mm
	5x5	0.08 mm / 0.12 mm
	8x5 / 8x8	0.12 mm / 0.2 mm
	12x8.5/Double Scan/ Smart Focus	0.2mm / 0.3mm / 0.07mm
Exposure Time	Pano	7.5 sec / 14.1 sec
	Ceph	1.9 sec / 4.9 sec
	CBCT	10.0 sec (8x5 - 8x8), 15.5 sec (12x8.5, Smart Focus, Double Scan) ,13.0 sec (Endo)
Gray Scale		14 Bit
Tube Voltage / Current		60 - 99 kVp / 4 - 16 mA
Weight	Without CEPH unit	163 Kg- without Base
		218 Kg - with Base
	With CEPH unit	188 Kg - without Base
		243 Kg - with Base
Dimensions	With CEPH unit	75.02" (L) x 57.39" (W) x 91.24" (H) - without Base
		75.02" (L) x 57.39" (W) x 92.34" (H) - with Base
	Without CEPH unit	42.72" (L) x 57.39" (W) x 91.24" (H) - without Base
		42.72" (L) x 57.39" (W) x 92.34" (H) - with Base

*The specifications are subject to change without prior notice

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