

vatech

THE NEW DIGITAL ENVIRONMENT

Green X 12/16/18TM



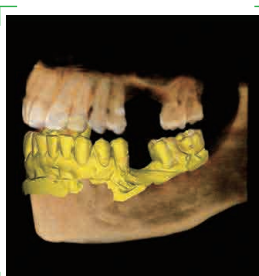
Green Features

THE ADVANCE 4-IN-1 DIGITAL X-RAY IMAGING SYSTEM

Green series has advanced 4-in-1 digital X-ray imaging system that incorporates **CBCT, Pano, Ceph (optional), and Model Scan**. With Vatech's Extensive Experience in the dental imaging field, the **Green** series provides high-quality images with lower radiation. This improves your diagnostic accuracy and leads to increase treatment planning and patient satisfaction.



CBCT



Model Scan



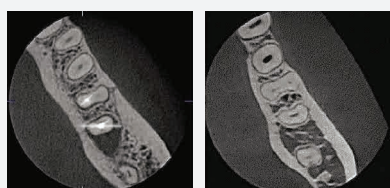
Panoramic



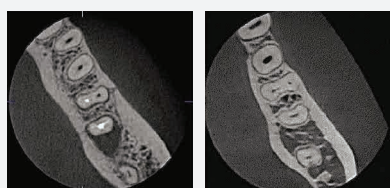
Ceph

ENDO MODE WITH HIGHEST RESOLUTION

With its 4 x 4 cm volume mode and **50 micron** voxel size, the endo mode 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



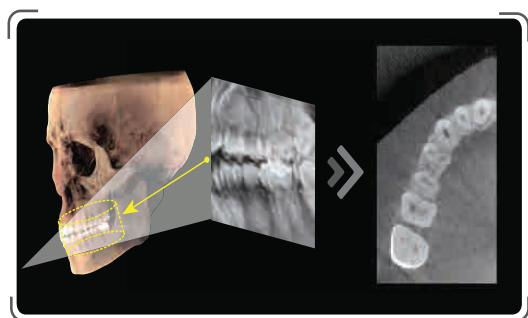
Endo Mode

POWERFUL 3D ENDO SOFTWARE



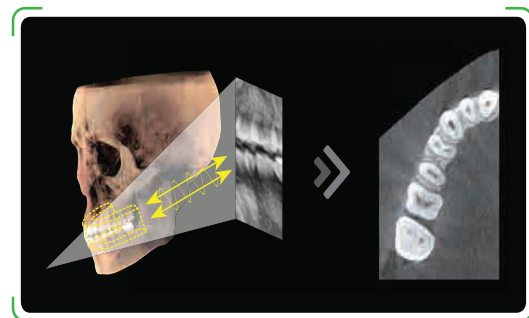
COMPRESS SENSING TECHNOLOGY

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



CST Image Reconstruction



Normal Image Reconstruction

VS



CST Image Reconstruction

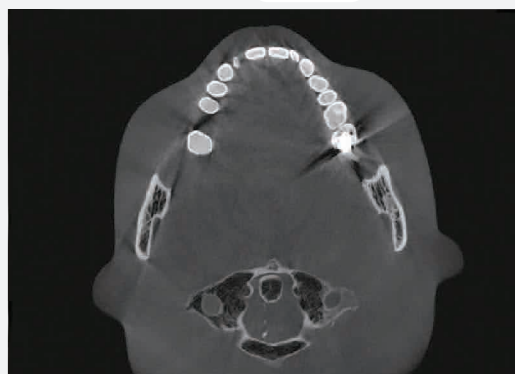
VATECH MAR FUNCTION (Artifact Reduction Technology)

Metal artifact hinders visualization and naturally reduces diagnostic confidence. With **Vatech MAR function** which is a Artifact Reduction Technology one can achieve clear image which 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



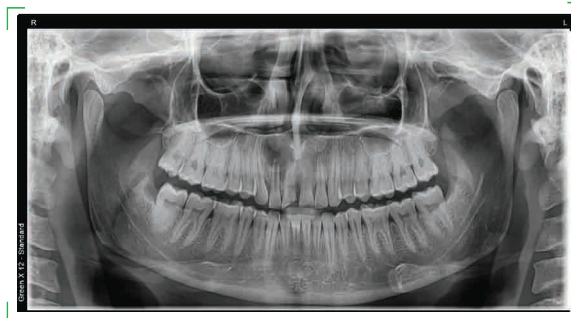
ART-V is the new name of VATECH's MAR function.
(Artifact Reduction Technology of VATECH)

NEW STANDARD OF PANORAMIC IMAGE

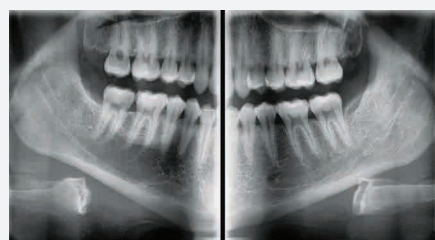
ADVANCED IMAGING WITH ACTUAL PANO RESOLUTION



5 lp/mm



EFFICIENT DIAGNOSIS WITH VARIOUS CAPTURE MODES



Bitewing mode



TMJ mode

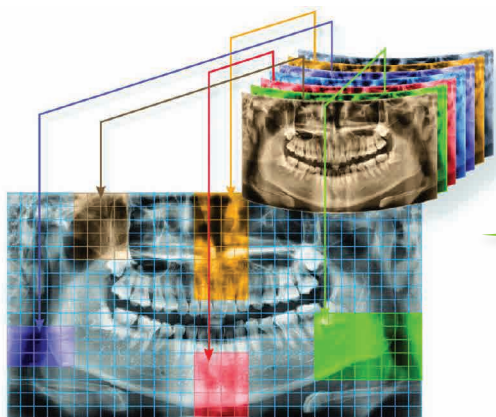


Sinus PA

SECTION	ARCH	EXAMINATION MODE
PANO EXAMINATION	Narrow / Normal / Wide / Child	• Standard / Right / Front / Left
	Orthogonal	• Orthogonal Standard / Right / Front / Left • Bitewing Standard / Right / Front / Left
SPECIAL EXAMINATION	Normal	• TMJ LAT Open / Close • TMJ PA Open / Close • Sinus LAT / PA

PRECISE IMAGING WITH 2D MAGIC PAN

- A Revolutionary & Unique Technology in Panoramic Imaging
- Provides the best out of Multilayered Panoramic Images by in-depth look across through the sharpest focal trough.



Green X12™

Speed & Quality without No Compromise

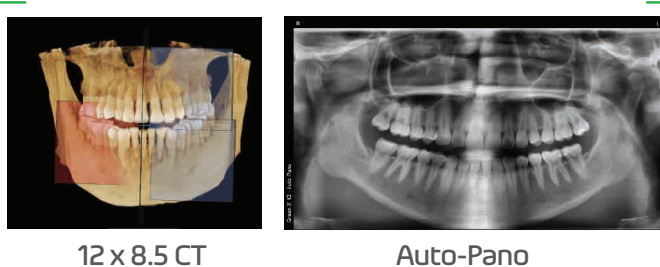
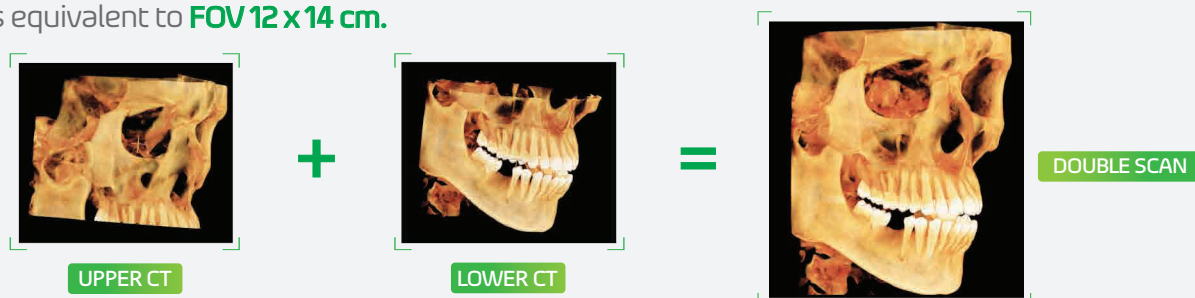
MULTI FOV SELECTION

The **Green X12** offers a range of selectable fields of view. The selection includes **12 x 14 (Double Scan)**, **12 x 8.5**, **8 x 8**, **8 x 5**, and **4 x 4 cm**. These options cover the full arch region, sinus & left/right TMJ, & suits most oral surgery cases including endodontic cases & multiple implant surgeries.

REGION				
	4 x 4 cm	8 x 8 cm	12 x 8.5 cm	12 x 14 cm
	4 x 4/5 x 5 cm	8 x 5/8 x 8 cm	12 x 8.5 cm	12 x 14 cm
	• Single / 2-3 Tooth	• Central dentition • Partial Arch Dentition • Either of TMJ (R or L)	• Full Arch Dentition • Either of TMJ (R or L)	• Full Arch Dentition • Maxillary Sinus • Bilateral TMJ (R or L)

DOUBLE SCAN MODE

By merging maxillary and mandible CT scan images, the Double Scan mode produces a large FOV image that is equivalent to **FOV 12 x 14 cm**.



SMART FOCUS (1 SCAN 5 IMAGES)

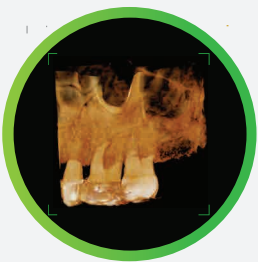
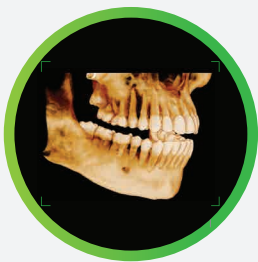
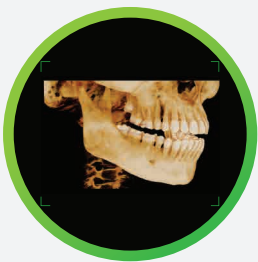
The **Green X12** has the latest technology which provides up to five high-resolution image from a single shot 1 scan & is known as SMART FOCUS IMAGE which is useful for viewing multiple areas of care in high-resolution without exposing the patient to radiation several times. Therefore, from a single shot scan one can easily get:

- 1 Scan = 3 Endo Images (4 x 4 cm) +
- 1 Full Arch (12 x 8.5 cm) + 1 Auto Pano

The New Digital Environment

MULTI FOV SELECTION

Green X 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: **16 x 15, 16 x 9 (Double Scan), 12 x 9, 8 x 8, 8 x 5, 5 x 5 and 4 x 4 cm**. These options cover the full arch region, sinus and left & right TMJ together, & suits most oral surgery cases including multiple implant surgeries & endodontic cases.

REGION				
	4 x 4 cm	8 x 8 cm	12 x 9 cm	16 x 9 cm
	FOV 4 x 4/5 x 5 cm	FOV 8 x 5/8 x 8 cm	FOV 12 x 9 cm	FOV 16 x 9 / 16 x 15 cm
	• Single / 2-3 Tooth	• Central dentition • Partial Arch Dentition • Either of TMJ (R or L)	• Full Arch Dentition • Either of TMJ (R or L)	• Back border of jaw (Ramus) • Dual arches back to the 3 molars plus sinus • Central incisor to spine

DOUBLE SCAN MODE

By merging maxillary and mandible CT scan images, the Double Scan mode produces a large FOV image that is equivalent to **FOV 16 x 15 cm**.



SINGLE SCAN
FOV (16 x 9)



DOUBLE SCAN
FOV (16 x 15)

GREEN SCAN MODE

Due to its scan time, the **Green X** minimizes motion artifacts and enables faster workflow. It produces superb diagnostic images, which will be a source of pride for any dental practice. Focusing on the highest quality of patient care, Vatech strives to improve the health and safety of your patients. surgery cases and multiple implant surgeries.



Ceph



CBCT



PANO

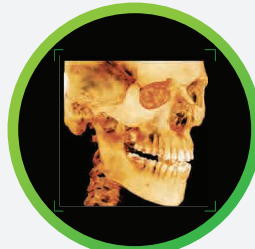
Green X 18™

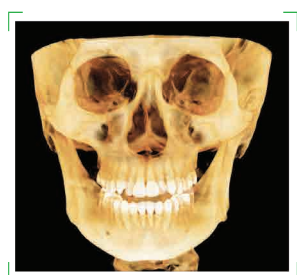
More Power with Innovative Imaging

MULTI FOV SELECTION

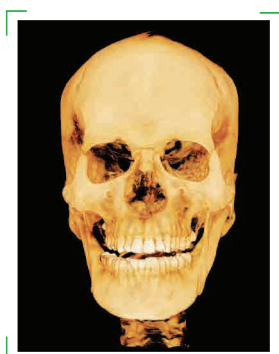
Green X 18 offers a range of selectable fields of view. The Multi FOV option allows users to select the optimum FOV mode while minimizing exposure to areas that are not in the region of interest. The selection includes **18 x 24 (Double Scan)**, **16 x 11**, **12 x 9**, **8 x 8**, **8 x 5**, **5 x 5** and **4 x 4 cm**. These options cover the full arch region, sinus, TMJ, and other Maxillofacial Structures.

REGION

			
4 x 4 cm	8 x 8 cm	16 x 11 cm	18 x 15 cm
FOV 4 x 4/5 x 5 cm	FOV 8 x 5/8 x 8 cm	FOV 12 x 9/16 x 11 cm	FOV 18 x 15/18 x 24 cm
• Single / 2-3 Tooth	• Central dentition • Partial Arch Dentition • Either of TMJ (R or L)	• Full Arch Dentition • Maxillary Sinus • Bilateral TMJ (R or L)	• Full Arch Dentition • Maxillary / Frontal Sinus • Frontal Bone to Temporal Bone • Bilateral TMJ



SINGLE SCAN
FOV (18 x 15)



DOUBLE SCAN
FOV (18 x 24)

DOUBLE SCAN MODE

By merging maxillary and mandible CT scan images, the Double Scan mode produces a large FOV image that is equivalent to **FOV 18 x 24 cm**.

GREEN SCAN MODE

Due to its scan time, the **GreenX 18** minimizes motion artifact and enables faster workflow. It produces superb diagnostic images, which will be a source of pride for any dental practice. Focusing on the highest quality of patient care, Vatech strives to improve the health and safety of your patients.



Ceph



CBCT



PANO

GREEN: Elevated & Improved

RAPID CEPH TECHNOLOGY

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.

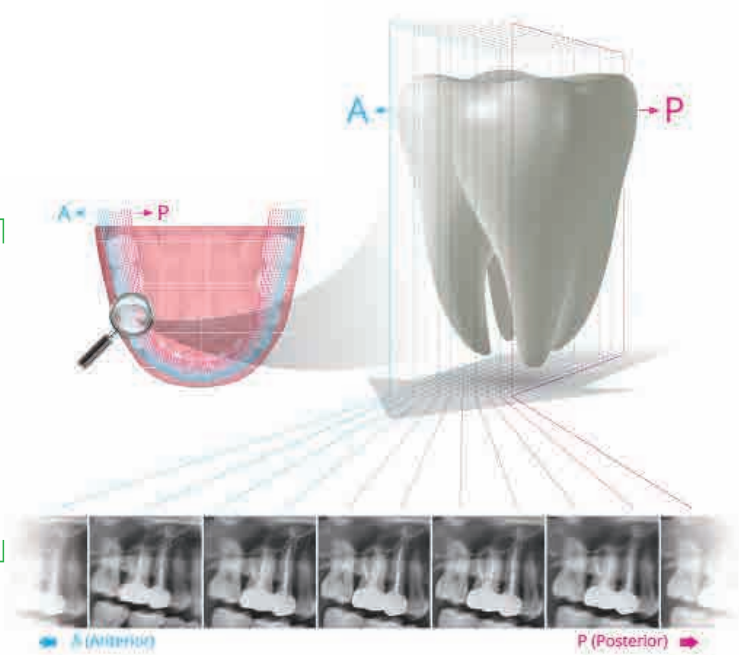
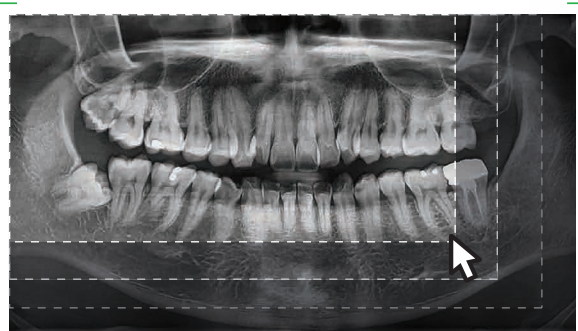
GREAT CLINICAL
CARE WITH

SMART RAPID CEPH
TECHNOLOGY



INSIGHT 2.0

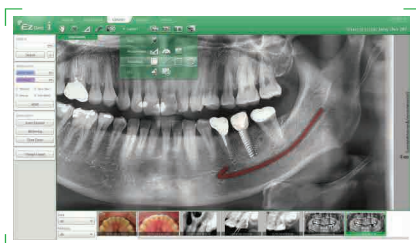
The Insight Pan is capable of taking a multi-layered panoramic image, called an Insight Pan, which provides a unique in-depth look across a single focal trough. Insight 2.0 has an upgraded free FOV feature so you will be able to capture just the area of interest.



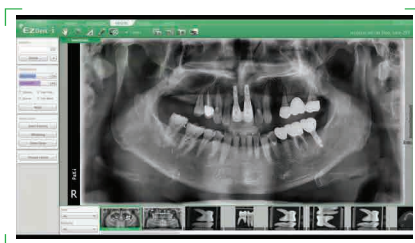
EzDent-i™

Worlds first Clinical Imaging & Patient Consultation Solution

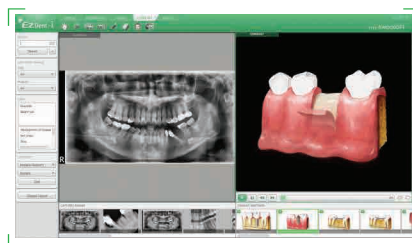
(An all in 1 Software)



- FEATURING VATECH'S VIRTUAL CONSULTATION TOOL (VCT)



- MANAGE YOUR IMAGES, THE EASY WAY



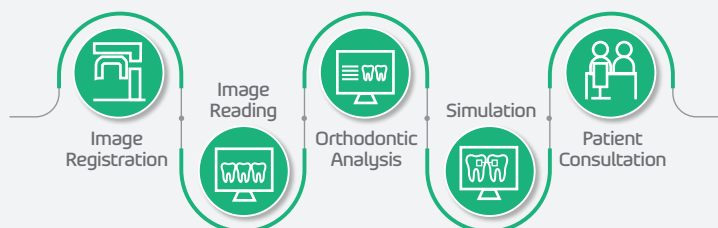
- POWERFUL SIMULATION

EzOrtho™

A.I Powered All-In-One Essential Tool for your digital orthodontic practices

● Workflow- Oriented Tabs

Using our revamped sharpening and max sharpening tool, enhance the quality of your images even further than ever before.



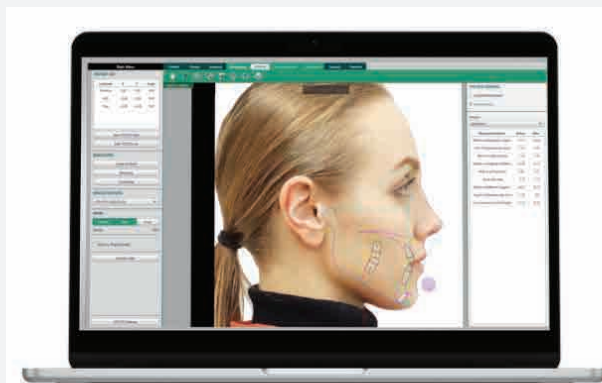
● Auto-tracing (A.I-aided feature) & Auto Calculated Analysis Results

DAVIS™ which is Vatech's Ai-aided feature will automatically find all the landmarks required from 15 unique analysis methods selection to choose from.



Save your time and see more patients !

- Landmark Location
- Cephalo Tracing
- Measurement



* The image above is a sample of what auto tracing result may look like

Ez3D-i™

QUICK & EASY DENTAL 3D IMAGING SOFTWARE FOR EVERY DENTIST

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

- High Quality of VR
- Smart Clipping
- One Click Section



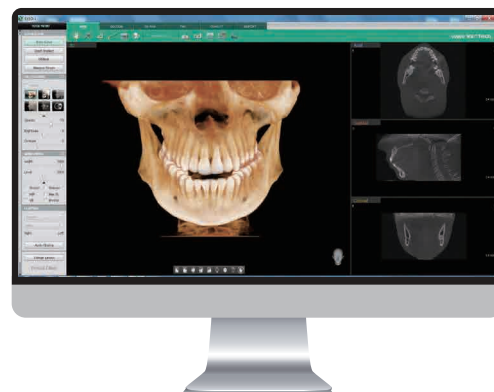
Simulation

- 3-Step Implant Simulation
- Top-down Implant Simulation
- Implant Collision Detector



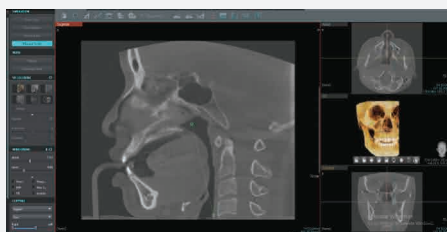
Consultation

- Implant Clipping
- 3D Bone Density
- EzCodi



2 CLICK 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. 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

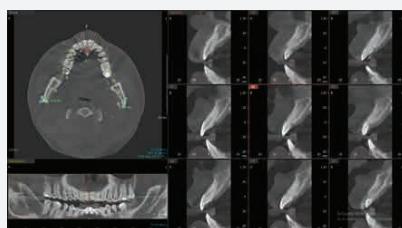
Airway is color coded by cross-sectional area

IMPLANT SIMULATION

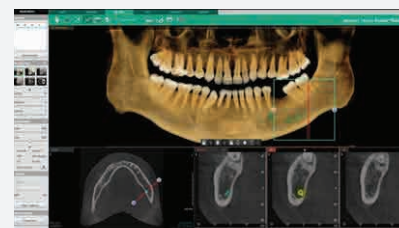
- Available in all viewing modes in Ez3D-i (MPR/Section/3D PAN)
- Colorized bone density viewing modes available
- Adjustable automatic implant collision decision function between multiple implants and/or nerve



MPR tab

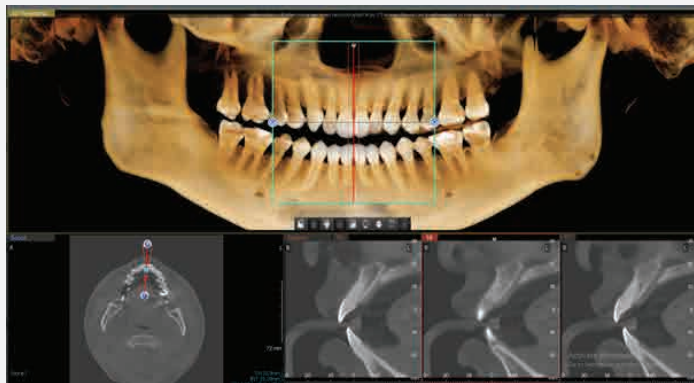


Section tab



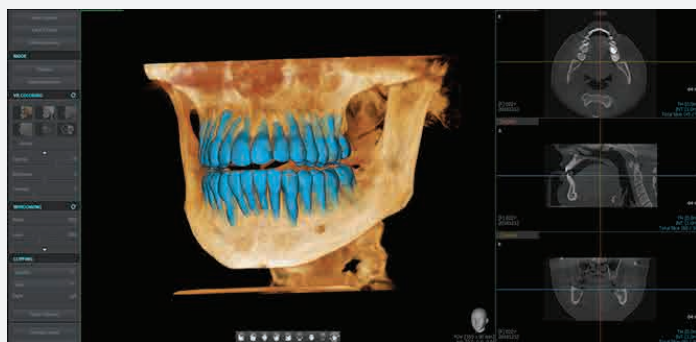
3D PAN tab

3D PAN NAVIGATION



- Easily navigate and obtain a sectional view by utilizing our new and intuitive 3D panoramic navigation mode.
- Simply click and drag our viewing window over the 3D panorama to obtain a sectional view of that region.
- Angulation made easy.

AI FOR SEGMENTATION & EXTRACTION



- The integration of AI technology has brought transformational changes, and the Vatech's Ez3D-i software naturally takes advantage of them as well.
- From segmentation tasks to offering virtual extraction simulations and Smart Implant placements, AI-driven features have reshaped how dental professionals approach their practice.



VIRTUAL CONSULTATION

- Over 200 Consultation Videos
- Creation of Personalized Consultation Materials
- Easy to Capture Diagnostic Image

SPECIFICATIONS

CBCT MODEL	Green X12™ [GREEN X: PHT-75CHS]		Green X™ [GREEN X: PHT-75CHS]		Green X18™ [GREEN X: PHT-75CHS]	
FUNCTION	CT + Pano + Ceph + Model Scan		CT + Pano + Ceph + Model Scan		CT + Pano + Ceph + Model Scan	
FOCAL SPOT	0.5 mm (IEC 60336)		0.5 mm (IEC 60336)		0.5 mm (IEC 60336)	
CT FOV SIZE	4 x 4 (Endo) 8 x 5 8 x 8 12 x 8.5 Smart Focus (12 x 8.5 + 3 Scan of 4 x 4 + AutoPano) 12 x 14 (Double Scan)		16 x 9 cm : 4 x 4 5 x 5 8 x 5 8 x 8 12 x 9 16 x 9 16 x 15 cm (Double Scan)		4 x 4 5 x 5 8 x 5 8 x 8 12 x 9 16 x 11 18 x 15 18 x 24 cm (Double Scan)	
VOXEL SIZE	4 x 4	0.05 mm	4 x 4	0.05 mm	4 x 4	0.05 mm
	5 x 5	0.08 mm / 0.12 mm	5 x 5	0.08 mm / 0.12 mm	5 x 5	0.08 mm / 0.12 mm
	8 x 5 / 8 x 8	0.12 mm / 0.2 mm	8 x 5 / 8 x 8	0.12 mm / 0.2 mm	8 x 5 / 8 x 8	0.12 mm / 0.2 mm
	12 x 8.5/Double Scan/ Smart Focus	0.2 mm / 0.3 mm / 0.07 mm	12 x 9 / 16 x 9	0.2 mm / 0.3 mm	12 x 9 / 16 x 11 / 18 x 15 / 18 x 24	0.2 mm / 0.3 mm

EXPOSURE TIME

Pano	7.5 sec / 14.1 sec	3.9 Sec / 13.5 Sec	3.9 sec / 13.5 sec
Ceph	1.9 sec / 4.9 sec	1.9 Sec / 14.1 Sec	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)	2.9 Sec / 9.0 Sec / 18.0 Sec	2.9 sec / 9.0 sec / 18 sec
GREY SCALE	14 Bit	14 Bit	14 Bit
TUBE VOLTAGE/ CURRENT	60 - 99 kVp / 4 - 16 mA	60 - 99 kVp / 4 - 16 mA	60 - 99 kVp / 4 - 16 mA

WEIGHT

Without CEPH Unit	163 Kg - without Base	162.9 Kg - without Base	165.9 kg - without Base
	218 Kg - with Base	218 Kg - with Base	220.9 kg - with Base
With CEPH Unit	188 Kg - without Base	187.9 Kg - without Base	190.9 kg - without Base
	243 Kg - with Base	243 Kg - with Base	245.9 kg - with Base

*The specifications are subject to change without prior notice

DIMENSIONS (Unit:- inch/mm)

