vatech

1.9 sec — Ceph
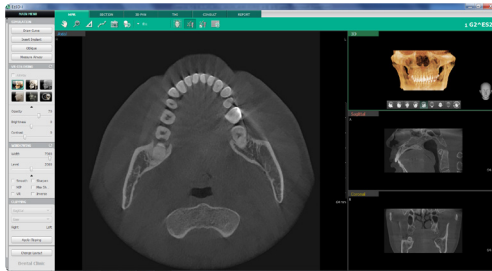
4.9 sec — CBCT

7.0 sec — Pano

Short Scan Time
Green 16™

Quick and Easy 3D Dental Imaging Software, Ez3D-i

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

※ Integration with 3DDX is available.

Diagnosis
· High Quality VR
· Smart Clipping
· One Click Section

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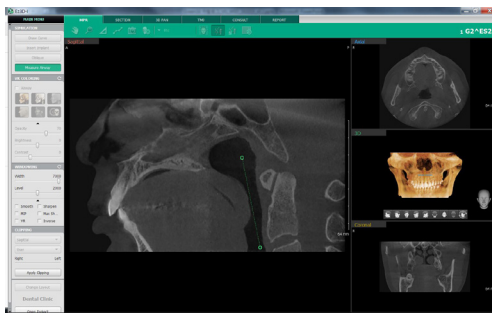· Implant Collision Detector

Consultation
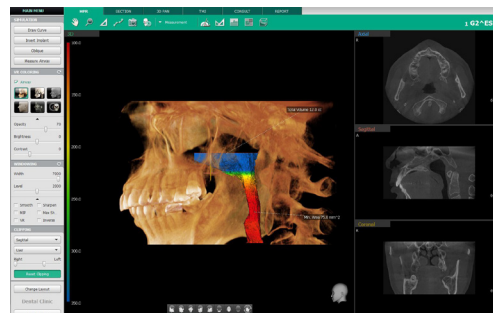· Implant Clipping
· 3D Bone Density
· EzCodi

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]

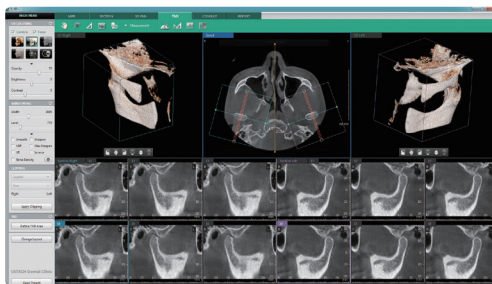• Define the airway region in just two clicks.

[Automatic Airway Volume Measurement]

• Airway is color coded by cross-sectional area
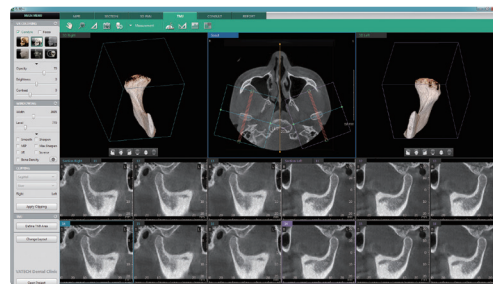• Automatically calculates the airway's volume and minimum cross-sectional area

Ez3D-i enables TMJ analysis [Simultaneous Analysis for both TMJ]

Ez3D-i's TMJ view provides a layout optimized for the simultaneous analysis of TMJ regions,
allowing users to quickly diagnose TMJ disorder as well as other common patient conditions such
as cholesteatoma and chronic sinusitis.

[TMJ Navigator]

• One Click TMJ Selection
• 1 sec. for auto cross-sectional images

[TMJ Segmentation]

• Separate condyle or fossa
• Rotate the 3D volume for accurate diagnosis

※**Airway &TMJ analysis available on Ez3D-i V4.1**

GREEN INNOVATION
FOR THE NEXT GENERATION

4-in-1 Digital

Green16 is an advanced 4-in-1 digital X-ray imaging system that incorporates PANO, CEPH (Optional) , CBCT and MODEL Scan.
It provides high quality images with lower radiation by combining imaging processing and accumulated experience in dental imaging from VATECH.
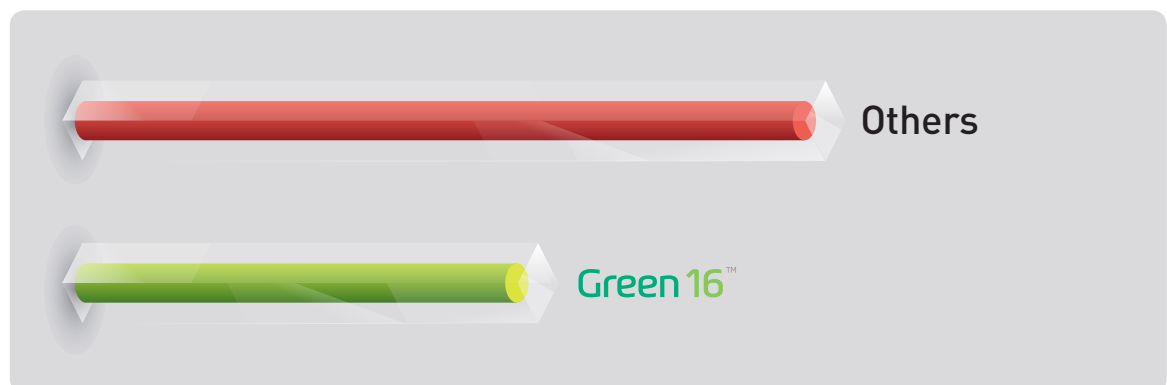This will improve your diagnostic accuracy with increased treatment planning and patient satisfaction.

Low Dose AND High Image Quality

What has been developed at VATECH breaks many conventions in dental radiography.
It was always believed that with low radiation comes inferior image quality,
which renders it useless in clinical diagnosis.
However, Green16 provides clinically diagnosable X-ray scans at a low X-ray dosage. With low dose X-ray radiography, achieving clinically diagnosable image quality is the new golden-standard.

Others

Green 16™

[DAP : Dose Area Product]

GREEN INNOVATION
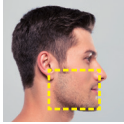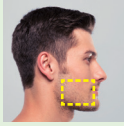## FOR THE NEXT GENERATION

Multi FOV Selection

Green16 offers a range of selectable fields of view.
The Multi FOV enables the user to select the optimal FOV Mode and minimizes exposure to areas not in the region of interest. Select the proper FOV size among 16x9, 12x9, 8x9 and 5x5 based on a particular diagnostic need.
It covers full arch region, sinus and left/right TMJ and is suitable for most oral surgery cases as well as multiple implant surgery. It also can measure airway volume.
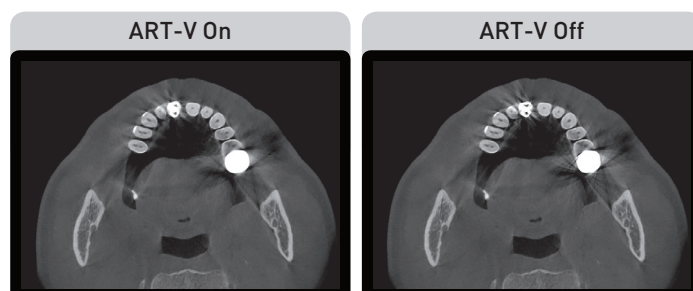
FOV	ROI	ROI Explanation
16x9		**Sinus & TMJ** Optimal size for sinus & TMJ diagnosis
12x9		**Full Arch** Optimal size to cover the entire dental arch
8x9		**Arch** Basic FOV size & select a left or right or center arch
5x5		**Endo & Single implant** Optimal size to cover 3~4 teeth through capturing ROI

The ART-V

Metal artifact hinders visualization and naturally reduces diagnostic confidence.
Clear images give you less stress and more confidence to accurate diagnosis for implant planning. And also you don't need extra effort 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)

GREEN INNOVATION
FOR THE NEXT GENERATION

Green Scan time

Green16 minimizes motion artifact and enables faster workflow due to its scan time.
It also produces superb diagnostic images, which will be a source of pride for
any dental practice, and improve the health and safety of your patients.
Experience excellent image quality with VATECH's advanced technology.

1.9 sec
Ceph

4.9 sec
CBCT

7.0 sec
Pano

3D Scanning for Model

3D model scan enables users to store plasters as digital models for ease of management.

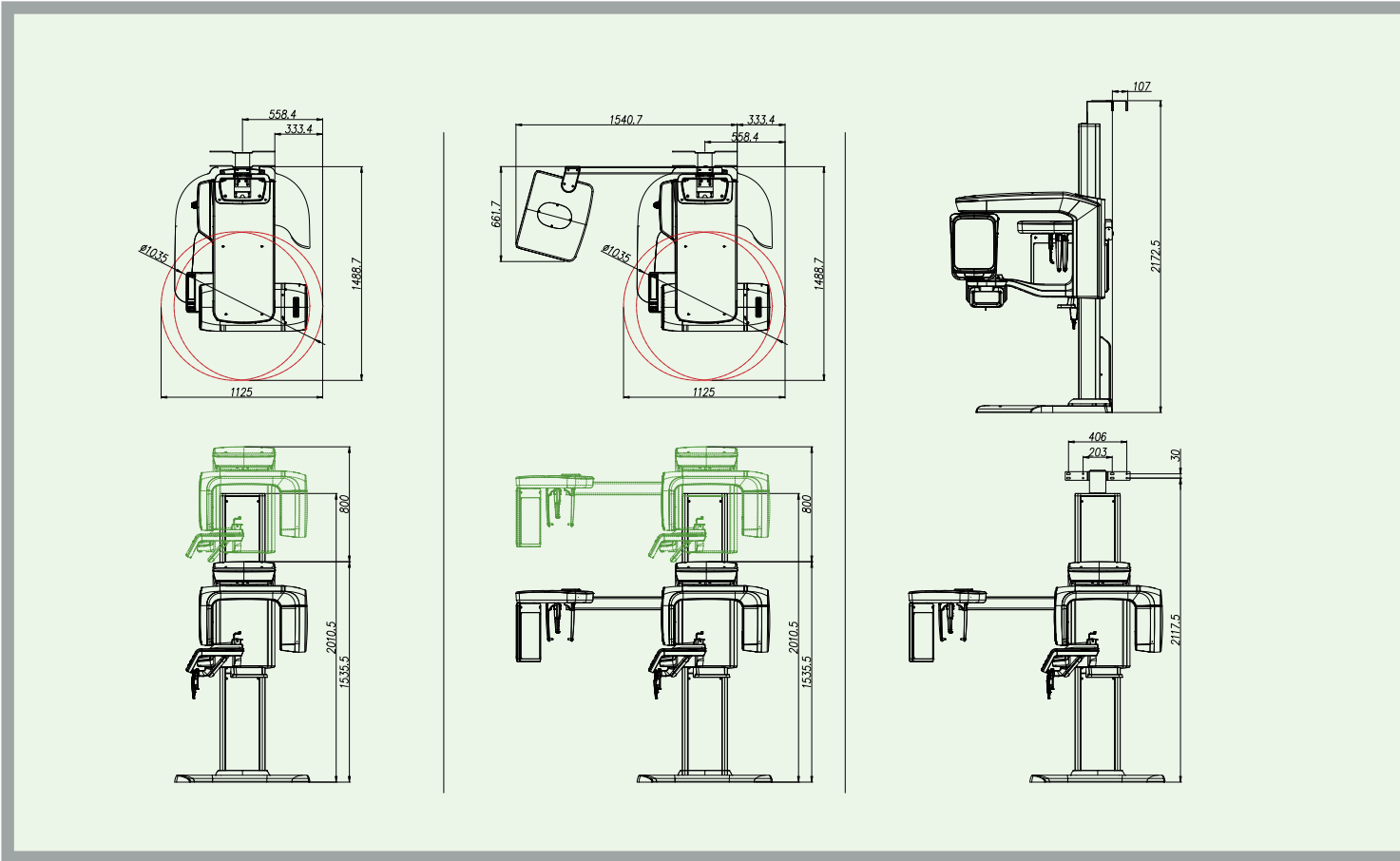→ **Digitized One-stop Clinic**

[CAD/CAM integration]

• Sufficient level of detail for surgical guide design

[Specially designed Jig]

• Stable platform for partial model to full model scanning

※3D scanning for Plaster Cast with FOV 8x9 (cm)

Dimensions [Unit: mm]

Specifications [Green16 : PHT-65LHS]

Function		CT + Pano + Ceph + Model Scan
Focal Spot Size		0.5 mm (IEC60336)
CT FOV Size		16x9 / 12x9 / 8x9 / 5x5
Voxel Size (mm)	16x9	0.2 / 0.3
	12x9	0.2 / 0.3
	8x9	0.12 / 0.2
	5x5	0.08 / 0.12
Scan Time (sec)	Pano	14.1 / 7.0 (Optional with Magic PAN)
	Ceph	3.9 / 1.9
	CBCT	9.0 (16x9 ~ 12x9) / 4.9 (5x5~8x9)
Gray Scale		14 Bit
Tube Voltage / Current		60 - 99 kVp / 4 ~ 16 mA
Weight	Without CEPH unit	134 kg (295.4 lbs - without the Base)
		187kg (412.3 lbs – with the Base)
	With CEPH unit	159 kg (350.5 lbs - without the Base)
		212 kg (467.4 lbs - with the Base)
Dimensions	Without CEPH unit	1125 mm (L) x 1488.7 mm (W) x 2335.5 mm (H)
	With CEPH unit	1874.1 mm (L) x 1488.7 mm (W) x 2335.5 mm (H)

*The specifications are subject to change without prior notice.