

# THE NEXT GREEN INNOVATION

## Green 16/18™



- **4-IN-1 DIGITAL** [PANO | CEPH | CBCT | MODEL]
- **MULTI FOV SELECTION**
- **GREEN SCAN TIME**
- **LOW DOSE AND HIGH IMAGE QUALITY**
- **THE ART-V**
- **3D SCANNING FOR MODEL**
- **INSIGHT PAN**

# THE ADVANCED 4-IN-1 DIGITAL X-RAY IMAGING SYSTEM

The Green 16/18 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 image processing and accumulated experience in dental imaging from Vatech. This will improve your diagnostic accuracy with increased treatment planning and patient satisfaction.



## MULTI FOV SELECTION

The Green 16/18 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 18x10, 16x9, 13x10, 12x9, 8x9, and 5x5 based on a particular diagnostic need. It covers the full arch region, sinus, and left/right TMJ and it suits most oral surgery cases as well as multiple implant surgeries.

Endo & Single implant	Arch	Dual Arch	Sinus & TMJ
5x5	8x9	12x9 / 13x10	16x9 / 18x10
Optimal size to cover 3~4 teeth through capturing ROI	Basic FOV size & select a left or right or center arch	Suitable for multiple implant surgeries	Optimal size for sinus & TMJ diagnosis

## GREEN SCAN TIME

The Green 16/18 minimizes motion artifact and enables faster workflow due to its scan time. 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.

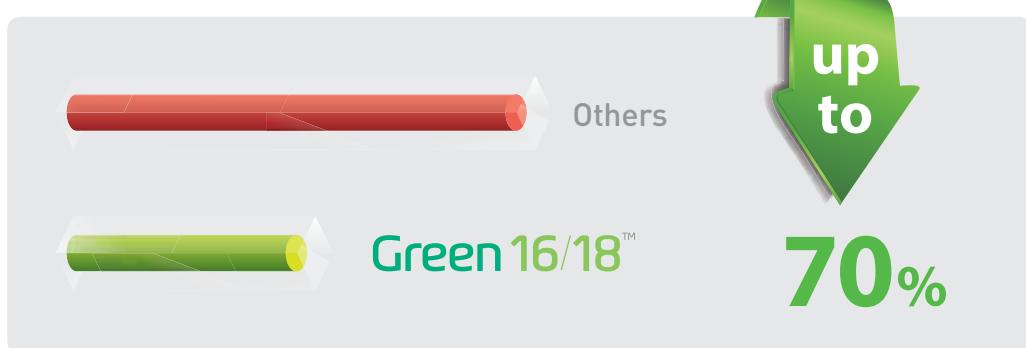




## LOW DOSE AND HIGH IMAGE QUALITY

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, the Green 16/18 provides clinically diagnosable x-ray scans at a low x-ray dosage. With low dose radiography, achieving clinically diagnosable image quality is the new golden-standard.

### Effective Dose Data



## THE ART-V

Metal artifact hinders visualization and naturally reduces diagnostic confidence.

Clear images cause less stress and provide more confidence which lead to accurate diagnosis for implant planning.



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

## 3D SCANNING FOR MODEL

3D model scan enables users to store plasters as digital models.

### DIGITIZED ONE-STOP CLINIC



#### CAD/CAM integration

- Sufficient level of detail for surgical guide design



#### Specially designed Jig

- Stable protection from partial model to full model

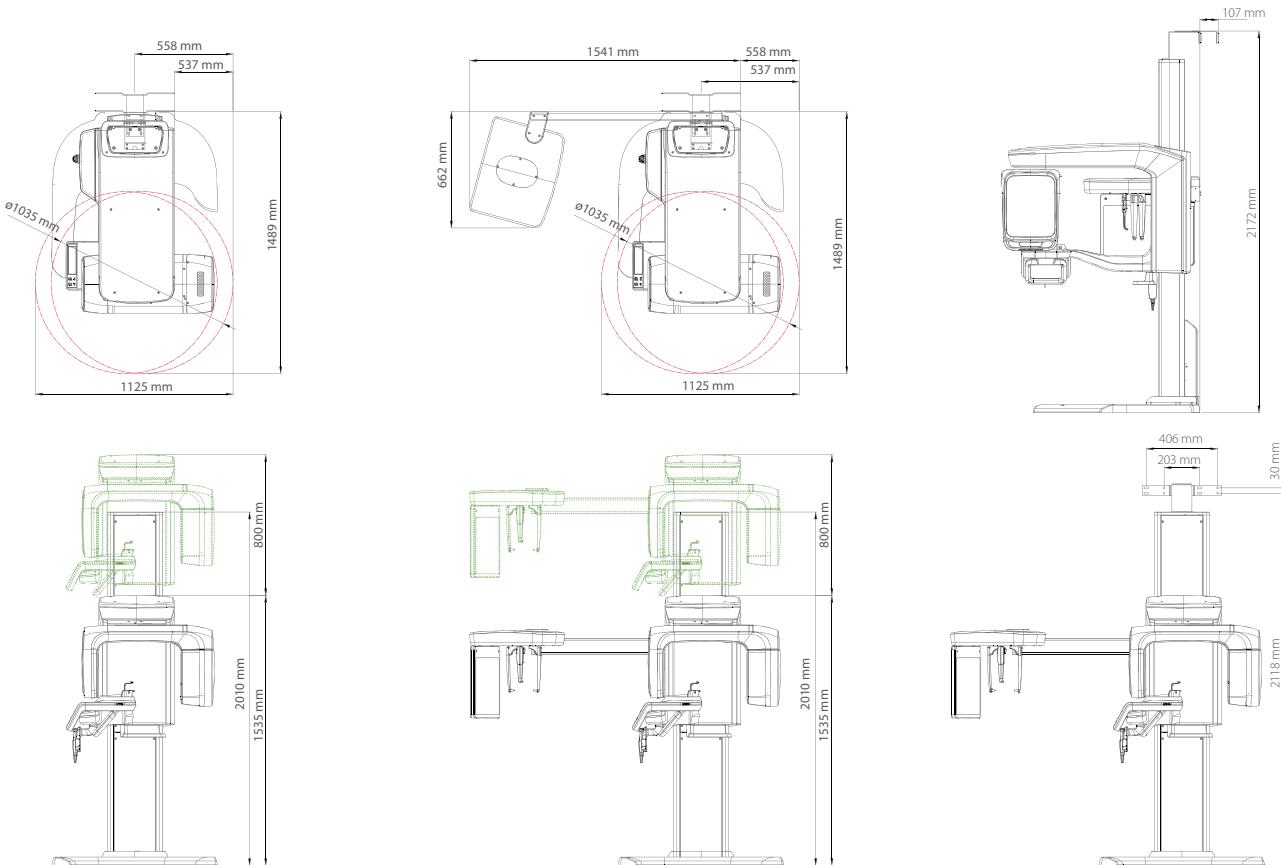
\*3D scanning for Plaster Cast with FOV 8x9 (cm)

## SPECIFICATIONS [Green 16/18 : PHT-65LHS]

Function	CT + Pano + Ceph + Model Scan	
Focal Spot Size	0.5 mm (IEC60336)	
CT FOV Size	16x9 cm : Multi [5x5 / 8x9 / 12x9 / 16x9 / 16x15(Stitching) cm] 18x10 cm : Multi [5x5 / 8x9 / 13x10 / 18x10 / 18x10(Stitching) cm]	
Voxel Size	5x5	0.08 mm / 0.12 mm
	8x9	0.12 mm / 0.2 mm
	12x9	0.2 mm / 0.3 mm
	13x10	0.2 mm / 0.3 mm
	16x9	0.2 mm / 0.3 mm
	18x10	0.2 mm / 0.3 mm
Scan Time	Pano	14.1 sec / 7.0 sec
	Ceph	3.9 sec / 1.9 sec
	CBCT	9.0 sec (12x9 - 18x10) / 4.9 sec (5x5 - 8x9)
Gray Scale	14 Bit	
Tube Voltage / Current	60 - 99 kVp / 4 - 16 mA	
Weight	Without CEPH unit	134 kg - without the Base
		187 kg - with the Base
	With CEPH unit	159 kg - without the Base
		212 kg - with the Base
Dimensions	Without CEPH unit	1125 mm (L) x 1489 mm (W) x 2335 mm (H)
	With CEPH unit	1874 mm (L) x 1489 mm (W) x 2335 mm (H)

\*The specifications are subject to change without prior notice.

## DIMENSIONS [Unit: mm]



**\*An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).**