



VATECH ASSURANCE




VATECH IMAGING SYSTEMS



**No More** than what you *want*,  
**No Less** than what you *need*.

# i3D *Smart*



-  **ONE SCAN, TWO IMAGES**
-  **INNOVATIVE COMPRESSED SENSING TECHNOLOGY**
-  **EXTENDED ARCH SHAPED FOV**

# SMART INNOVATION

## **ONE SCAN, TWO IMAGES**

One scan with a i3D Smart gives you not just a CT image but also an Auto Pano image. This means, patients who require both images do not need to undergo two X-ray scans. Also, CT and Auto Pano images are displayed within the One Viewer feature.



\* Conventional panorama mode is provided.



### **[ 2D AND 3D IN ONE VIEWER ]**

Viewing 2D and 3D images together provides many benefits. There is no need to utilize two different software programs and the One Viewer feature presents a professional look for your patients.

This layout helps patients better understand the images, which will eventually result in increasing acceptance rates.

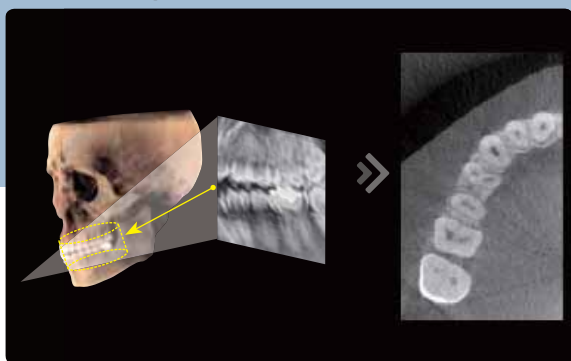
# SMART INNOVATION FOR ACCURATE DIAGNOSIS



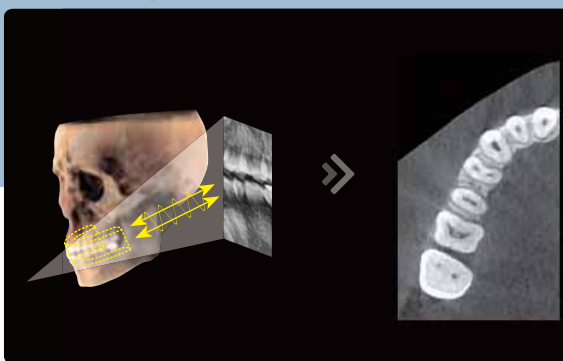
## INNOVATIVE COMPRESSED SENSING TECHNOLOGY

3D image quality is dramatically improved based on the innovative image reconstruction technology.

### Normal Image Reconstruction

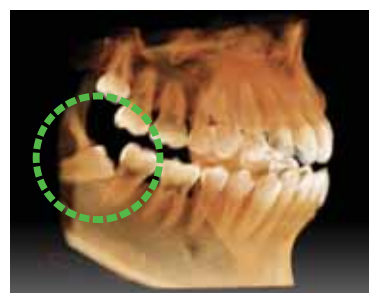
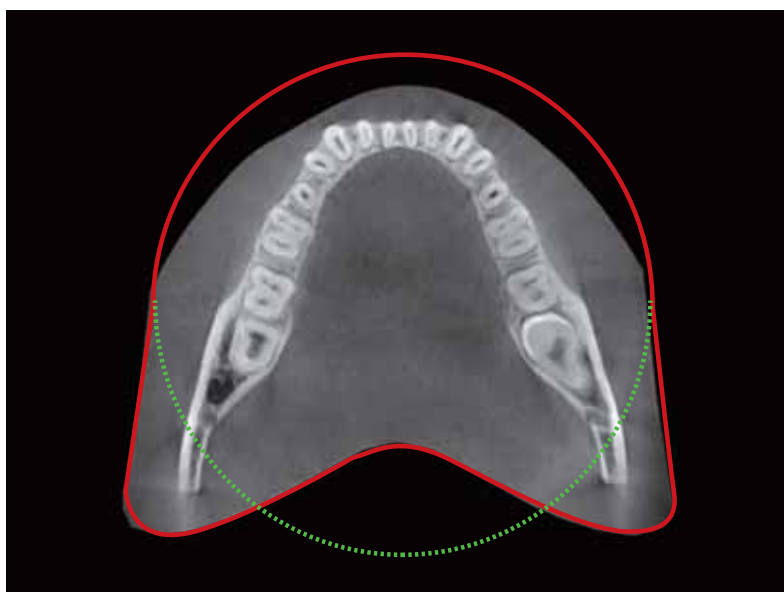


### SMART Image Reconstruction



## EXTENDED ARCH SHAPED FOV

The innovative FOV of the i3D Smart provides an arch-shaped volume, which shows a wider view of dentition compared to other devices of the same FOV. For impacted 3rd molars, there is a high probability that the volume will miss this important anatomy. The "arch shaped volume" of i3D Smart eliminates this possibility and provides the clinician with all the necessary dentition for thorough diagnosis.



## PRODUCT CONFIGURATION

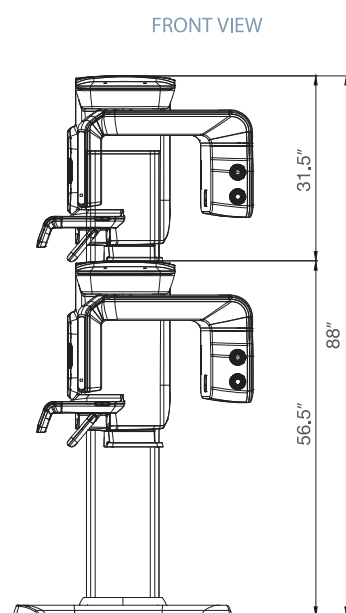
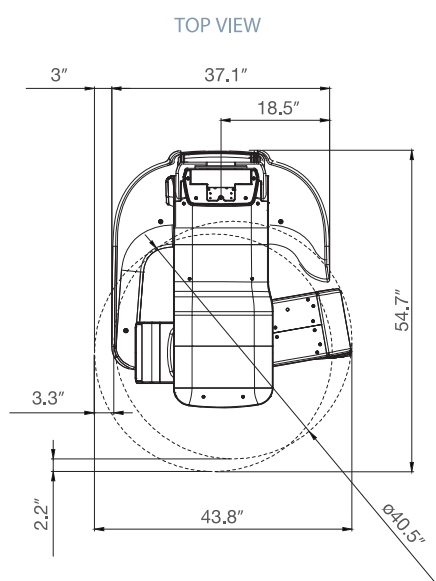
	CBCT	PANO
i3D Smart	•	•



## SPECIFICATIONS ( i3D Smart : **PHT-30LFO** )

FUNCTION		CT+Pano (Real/Auto)
Focal Spot		0.5 mm
CT FOV Size		10X8.5 cm (Anatomical 12X9 cm) / 10X7 cm
Voxel Size		0.2 mm / 0.3 mm
Scan Time	CT	18 sec
	Pano	13.6 sec / 7 sec
Recon Time	CT	Max. 90 sec (10X9 / 0.2 Voxel Basis)
	Pano	Less than 2 sec
Gray Scale		14 bit
Tube Voltage / Current		50 - 99 kVp / 4 -16 mA

## DIMENSIONS



*\*An additional 7.5 inches (191 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).*