

vatech

Smart PlusTM

[PHT-35LHS]

THE TECHNOLOGY YOU TRUST
THE INNOVATION YOU EXPECT

CBCT For the Smart Professionals

- One Scan, Two Images
- Extended Arch Shaped FOV
- Innovative Compressed Sensing Technology

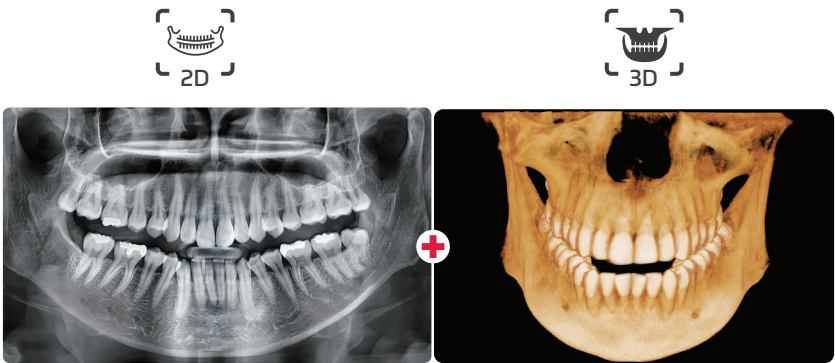


Smart Addition for your Advanced Dental Practice

SMART INNOVATION

ONE SCAN, TWO IMAGES

One scan with the Smart Plus 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 one viewer.



*Conventional panorama mode is provided

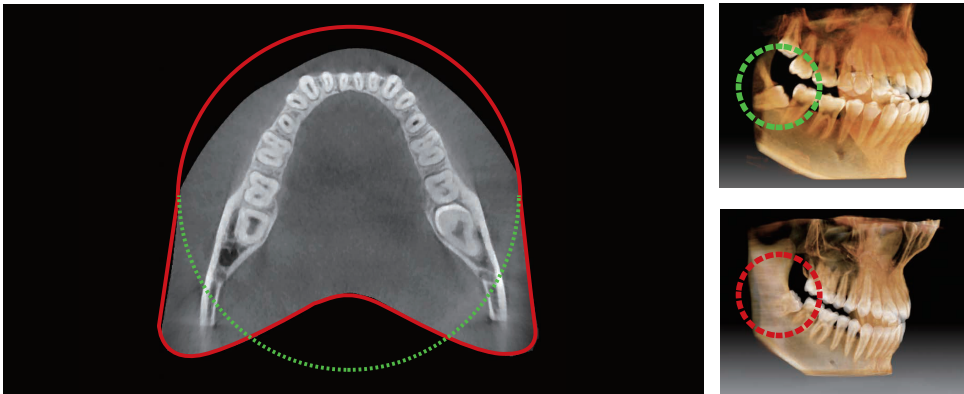
MULTI FOV SELECTION

The Smart Plus offers a range of selectable fields of view. The selection includes 12 x 9 (Anatomical), 10 x 7, 8 x 8 and 5 x 5 cm. These options cover the full arch region, sinus & left/right TMJ, & suits most oral surgery cases including endodontic cases & multiple implant surgeries.

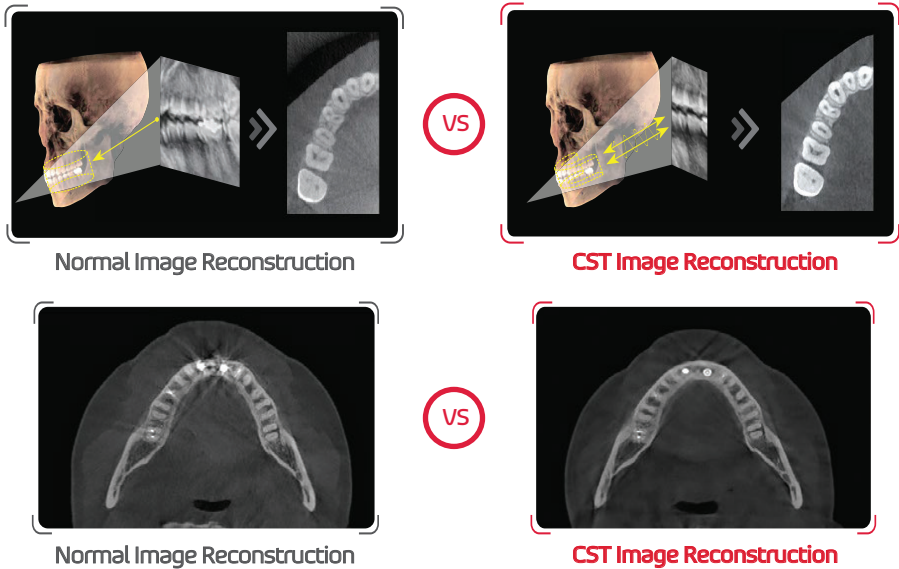
REGION				
	5 x 5 cm	8 x 8 cm	10 x 7 cm	12 x 9 cm (Anatomical)
	• Single / 2-3 Tooth	• Central Dentition • Partial Arch Dentition • Either of TMJ (R or L)	• Central Dentition • Full Arch Dentition	• Full Arch Dentition • Either of TMJ (R or L)

EXTENDED ARCH SHAPED ANATOMICAL FOV (12 x 9cm)

The innovative FOV of the Smart Plus provides an arch-shaped volume, which shows a wider view of the dentition compared to other devices of the same FOV (10 x 8.5). The “arch-shaped volume” eliminates the possibility of cutting down the posterior anatomy & shows the hidden dentition area.

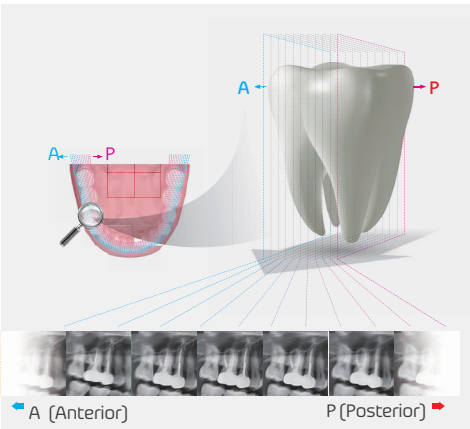


COMPRESS SENSING TECHNOLOGY (Less Artifact & Less Noise)



ADVANCED IMAGE SOLUTION WITH INSIGHT PAN

- The Smart Plus 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 Pan ensures that all details are captured & in-depth panoramic image can be selected & choose from the best.



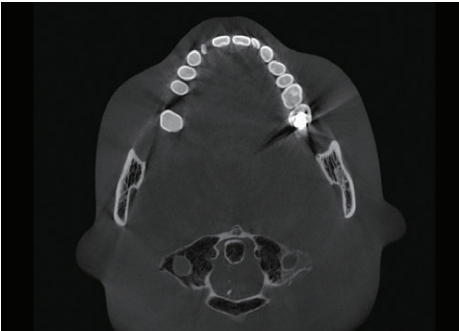
VATECH MAR FUNCTION (ARTIFACT REDUCTION TECHNOLOGY)

Metal artifact hinders visualization & 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.

Art-V  ON



Art-V  OFF



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

SMART RAPID CEPH TECHNOLOGY MINIMIZES MOTION ARTIFACTS

GREAT CLINICAL CARE WITH
SMART RAPID CEPH TECHNOLOGY



3D SCANNING FOR MODEL

- Stable platform
(Specially Designed Jig)
partial model to
full model scanning



* 3D scanning for Plaster Cast
with FOV 10x8.5 (cm)

HIGH IMAGE QUALITY & LOW DOSE (Effective Dose)

SmartPlus  30-60 μSv

Others  60-300 μSv

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

- AI Segmentation
- Smart Clipping
- One Click Section



Simulation

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



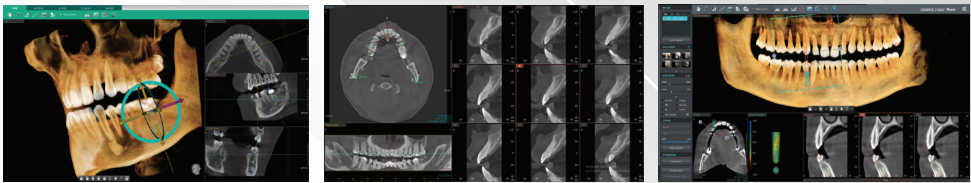
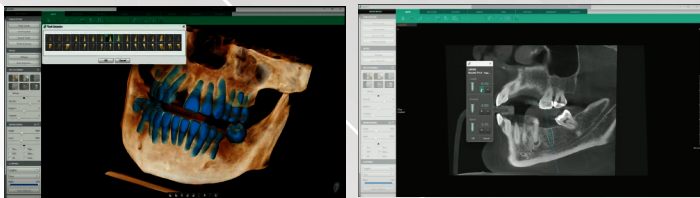
Consultation

- Implant Clipping
- 3D Bone Density
- EzCodi

AI SEGMENTATION & IMPLANT SIMULATION

Segmentation offers virtual extraction simulations and Smart Implant placements, the AI-driven features have reshaped how dental professionals approach their practice.

- Available in all viewing modes in Ez3D-i (MPR/Section/3D PAN)
- Adjustable automatic implant collision decision function available



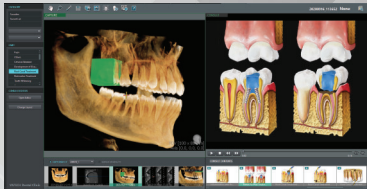
MPR tab

Section tab

3D PAN tab

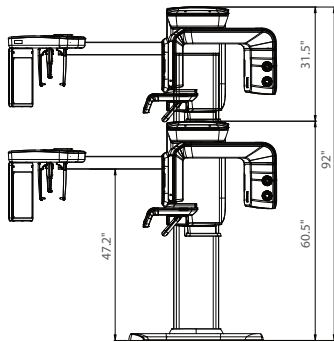
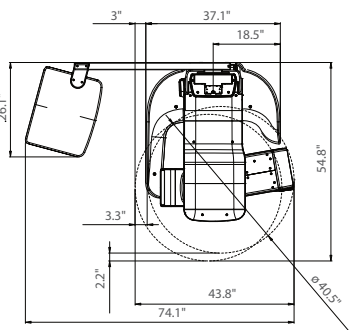
VIRTUAL CONSULTATION

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



SPECIFICATIONS (Smart Plus : PHT-35LHS)

Function	CT (with Auto Pano) + Pano + Ceph + Model Scan	
Focal Spot	0.5 mm (IEC 60336)	
CT FOV Size	5x5 cm / 8x8 cm / 10x7 cm / 10x8.5 cm (Anatomical 12x9 cm)	
Voxel Size	0.08 mm / 0.12 mm / 0.2 mm / 0.3 mm	
Exposure Time	CT	16.4 sec Exposure Time
	Pano	13.5 sec (HD) / 7 sec (Green)
	Ceph (Optional)	1.9 sec / 3.9 sec
Gray Scale	14 bit	
Tube Voltage	60 ~ 99 kV	
Current	4 ~ 16 mA	
Dimensions during operation (Length X Width X Height)	without Ceph	45.1 (L) X 61.4 (W) X 90.8 (H) (Inch, without base)
		45.1 (L) X 61.4 (W) X 92.1 (H) (Inch, with base)
	with Ceph	75.1 (L) X 61.4 (W) X 90.8 (H) (Inch, without base)
		75.1 (L) X 61.4 (W) X 92.1 (H) (Inch, with base)



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