SPEED, QUALITY, PREDICTABILITY NO COMPROMISE

Smart X

- **SMART FOCUS MODE**
- **COMPRESSED SENSING TECHNOLOGY**
- **HIGHEST RESOLUTION WITH 0.05mm VOXEL SIZE**
- **FASTEST SCAN TIME**
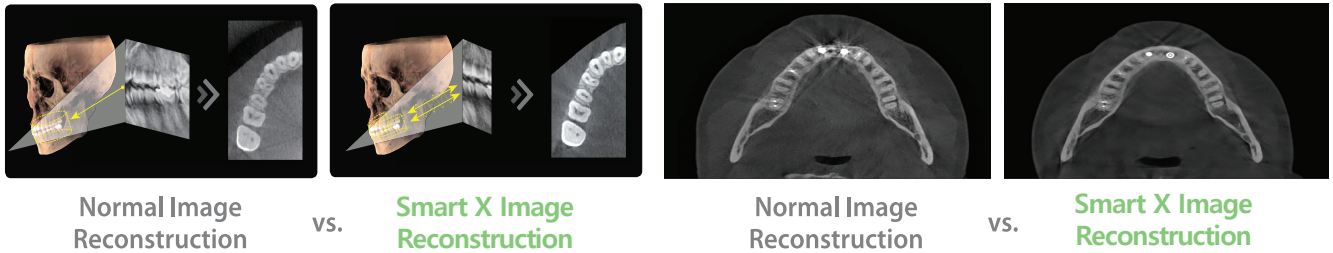
49.5 µm CMOS Sensor

SMART FOCUS MODE

Comprehensive planning for complex cases in one go. Smart Focus is a revolutionary technology that captures 5 high-resolution images in just one scan. Whether new patients or complex cases, multiple images obtained from a single scan allow comprehensive treatment planning.
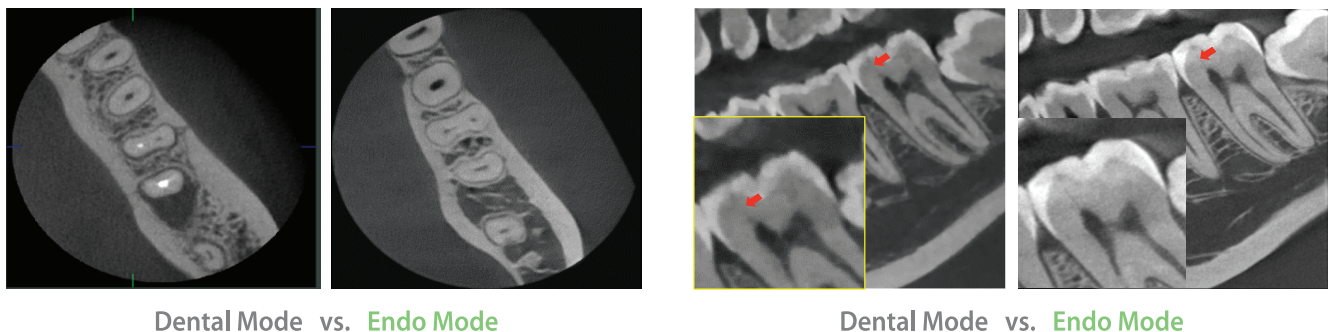
COMPRESSED SENSING TECHNOLOGY

Vatech dramatically improves its image quality with much less artefact 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.   Smart X Image Reconstruction   Normal Image Reconstruction   vs.   Smart X Image Reconstruction

ENDO MODE WITH HIGH RESOLUTION

With its 4cm x 4cm volume mode and 50 micron voxel size, the endo mode will optimise 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   vs.   Endo Mode   Dental Mode   vs.   Endo Mode

MULTI FOV SELECTION

The Smart X offers a range of selectable fields of view. The Multi FOV option allows users to select the optimum FOV mode while minimising exposure to areas that are not in the region of interest. The selection includes the following FOV sizes for diagnostic needs: 12x14, 12x8.5, 8x8, 8x5, and 4x4. These options cover the full arch region, sinus and left/right TMJ, and suits most oral surgery cases and multiple implant surgeries.
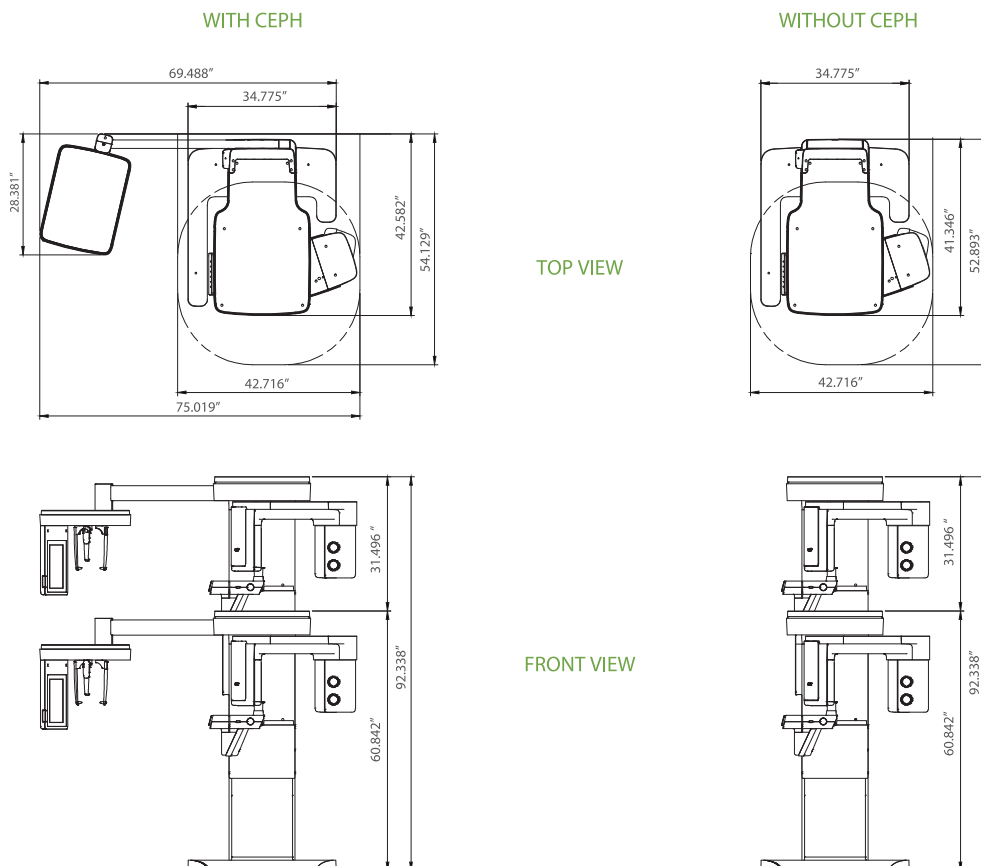
GREEN SCAN TIME

Due to its scan time, the Smart X minimises motion artefact 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.

SPECIFICATIONS [Smart X : **PHT-75CHS**]

Function	CT + Pano + Ceph + Model Scan	
Focal Spot Size	0.5 mm (IEC 60336)	
CT FOV Size	Endo(4x4), 8x5, 8x8, 12x8.5, Smart Focus, Double Scan(12x14)	
Voxel Size	4x4	0.05 mm
	8x5 / 8x8	0.12 mm / 0.2 mm
	2x8.5 /Double Scan/Smart Focus	0.2 mm / 0.3 mm /0.07mm
Scan Time	Pano	4.0 sec / 14.1 sec
	Ceph	1.9 sec / 4.9 sec
	CBCT	10.0 sec (8x5- 8x8) I 15.5 sec (12x8.5, Smart Focus, Double Scan) I 13.0 sec (Endo)
Gray Scale	14 Bit	
Tube Voltage / Current	60 - 99 kVp / 4 - 16 mA	
Weight	Without CEPH unit	359.13 lbs-without Base
		480.38 lbs-with Base
	With CEPH unit	414.25 lbs-without Base
		535.50 lbs-with Base
Dimensions	With CEPH unit	75.02"(L) x 57.39"(W) x 91.24'(H)- withoutBase
		75.02"(L) x 57.39"(W) x 92.34"(H)- withBase
	Without CEPH unit	42.72"(L) x 57.39"(W) x 91.24"(H)- withoutBase
		42.72"(L) x 57.39"(W) x 92.34"(H)- withBase

*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: Inch]

WITH CEPH

TOP VIEW

FRONT VIEW

WITHOUT CEPH

*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).

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