vatech india

Introducing

Smart Plus

LATEST LEADING-EDGE TECHNOLOGY

MORE SMARTER

THAN SMART

APPROVED

परमाणु ऊर्जा नियामक परिषद

AERB

ATOMIC ENERGY REGULATORY BOARD

MANUFACTURER'S

10 YEARS

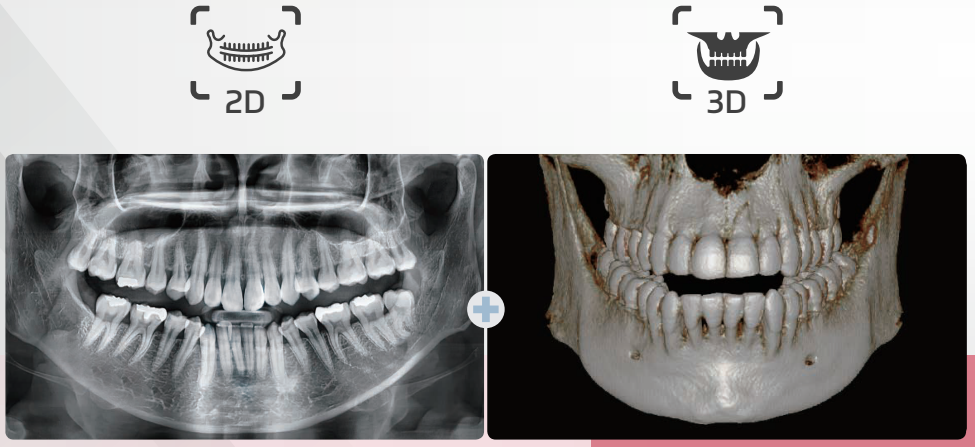
WARRANTY

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.

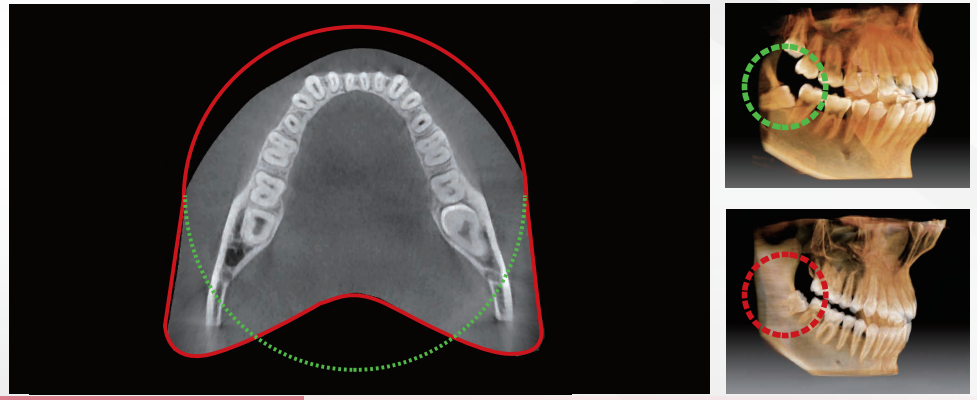
[2D & 3D IMAGES IN ONE VIEWER]

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.

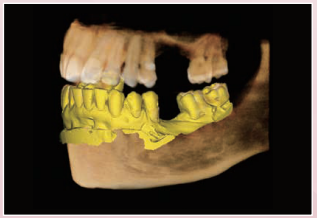
This layout helps patients better understand the images, which will eventually result in increasing acceptance rates.

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. When a tooth is lying on its side, there is a high possibility that the tooth will be cut out of the image. The "arch-shaped volume" eliminates this possibility and shows the hidden dentition area.



3D SCANNING FOR MODEL



Digitized One-Stop Clinic

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

Specially Designed Jig

- Stable platform from partial model to full model scanning

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

ADVANCED IMAGE SOLUTION WITH INSIGHT PAN

The next evolutionary step forward in panoramic imaging.

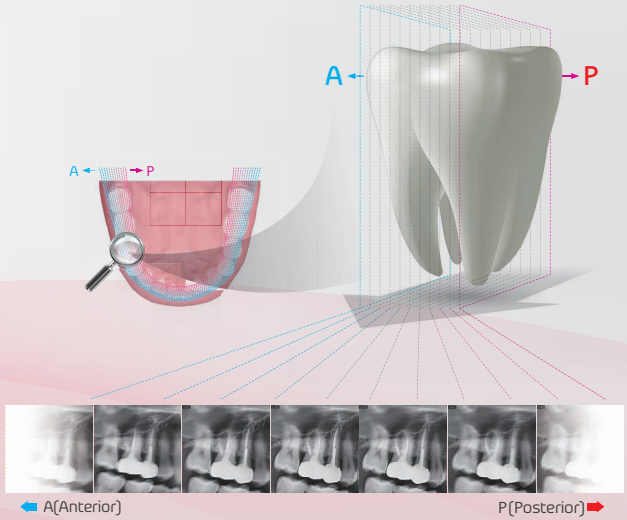
The Smart Plus is capable of taking a multi-layered panoramic image called an Insight Pan, which provides a unique, in-depth lookacross a single focal trough.

Since each patient may have a slightly different arch, conventional panoramic images may occasionally miss important details which land outside of a single focal layer.

Insight Pans are capable of capturing multiple-layered images, ensuring that all details are captured in a depth-added panoramic image.

Insight PAN creates multi-layer panoramic images to increase diagnostic value.

INSIGHT PAN



HIGH IMAGE QUALITY AND LOW DOSE

As a Pioneer in CBCT Innovation, Vatech's Green Technology Reduces the Radiation Level of the Smart Plus without reducing image quality.

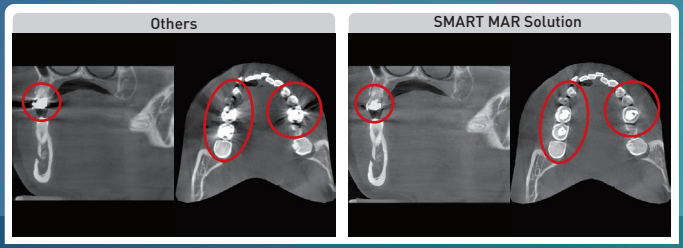
SMART RAPID CEPH TECHNOLOGY MINIMIZES MOTION ARTIFACTS

The next step in cephalometric technology, Vatech's new Rapid Ceph minimizes motion artifacts and enables faster diagnostic workflow while providing the highest quality digital images.

GREAT CLINICAL CARE WITH
SMART RAPID CEPH TECHNOLOGY

SMART MAR

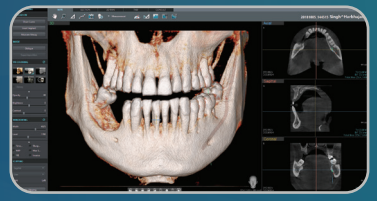
Practitioners want to diagnose with a CBCT that doesn't get affected by metal artifacts and while still producing high 3D image quality. SMART MAR provides this powerful capability to its users.

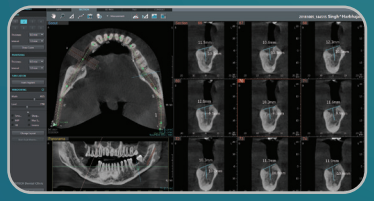


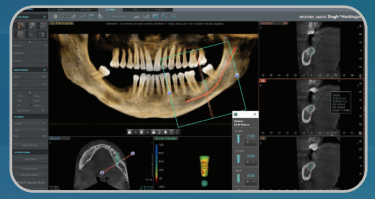
Ez3D-i

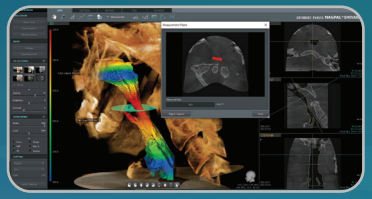
REAL 3D SOFTWARE, SUPPORTS THE WHOLE PROCESS OF A SURGERY.

1 . Diagnosis: High Quality of VR, Smart Clipping & One Click Section
2. Simulation: 3-Step Implant Simulation, Implant Collision Detector
3. Consultation: Implant Clipping, 3D Bone Density & EzCodi


MPR TAB

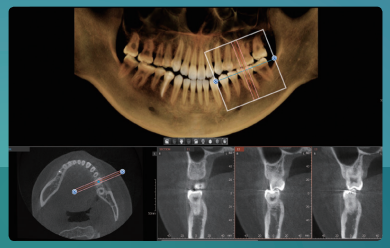

SECTION TAB


3D PAN TAB


AIRWAY

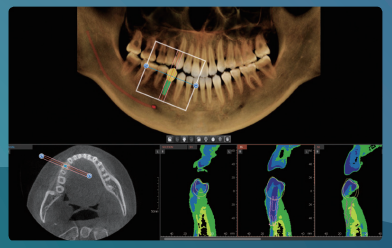
AUTO CROSS-SECTIONAL [3D PAN] TAB

The [3D PAN] Tab of Ez3D-i makes everything quick and smart.
With a volume panorama mode, Ez3D-i makes lingual-side diagnosis possible. Also, locating a lesion during an endodontic treatment is effective and accurate from this view, whether it is near the apical or not.



[One-Click Region of Interest Navigation]

- Takes 1 sec for cross-sectional images
- No need for complicated training vcourses



[Implant Simulation with 3D PAN]

- Easy multi-implant simulation
- Insertion of implant, based on a restoration
- Various modes for exact bone density

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
Weight		137kg / 162kg (with Ceph)

*The specifications are subject to change without prior notice.

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