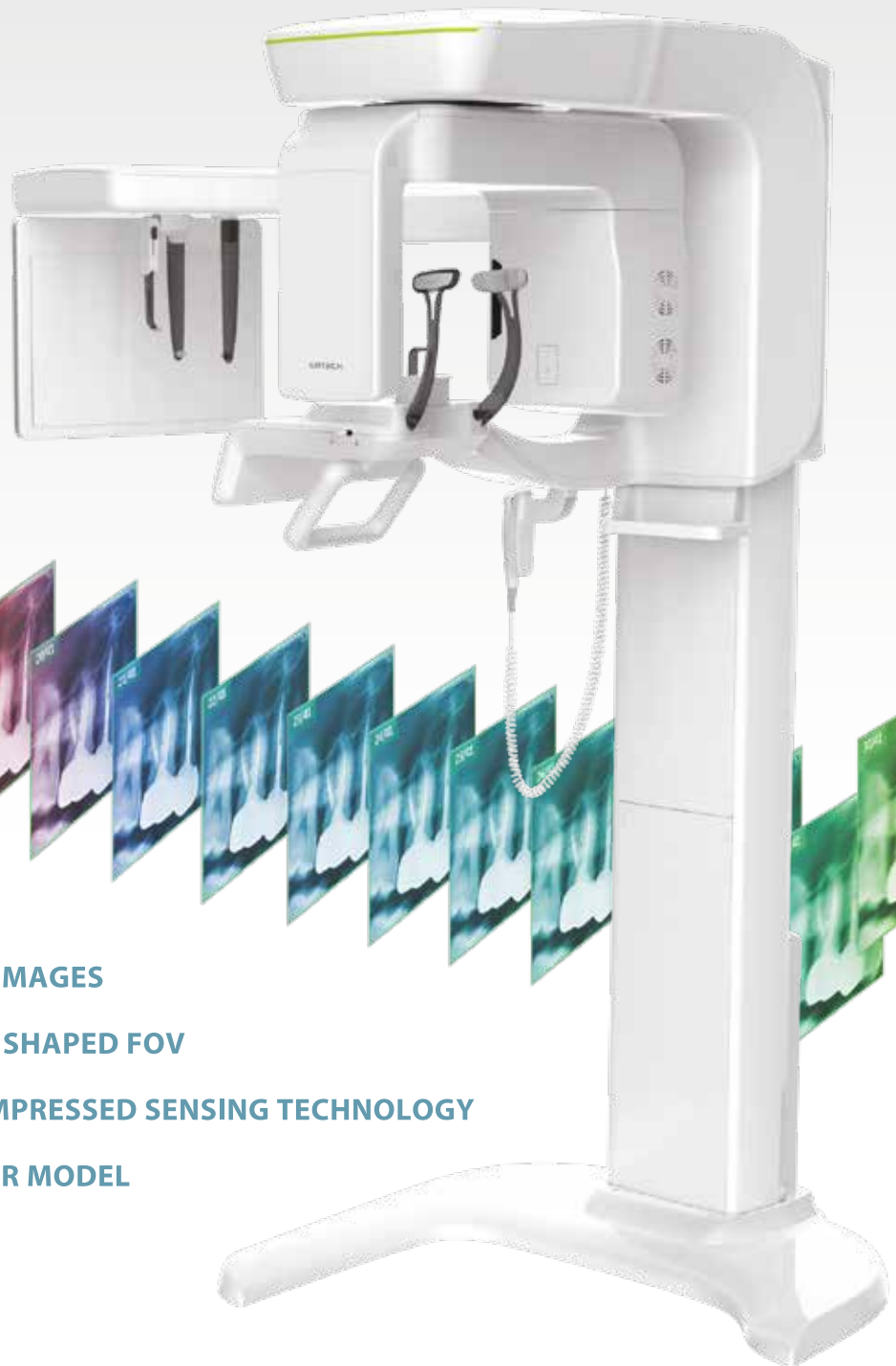


Smart Plus™

41
MULTI
LAYERS



-  **ONE SCAN, TWO IMAGES**
-  **EXTENDED ARCH SHAPED FOV**
-  **INNOVATIVE COMPRESSED SENSING TECHNOLOGY**
-  **3D SCANNING FOR MODEL**
-  **INSIGHTY PAN**

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.



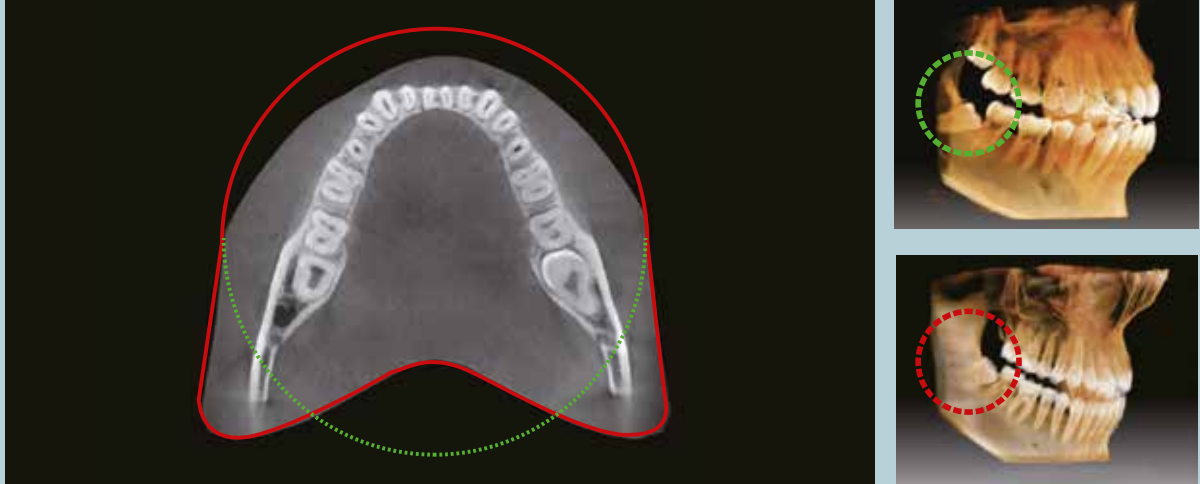
[2D AND 3D IN ONE VIEWER]

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.

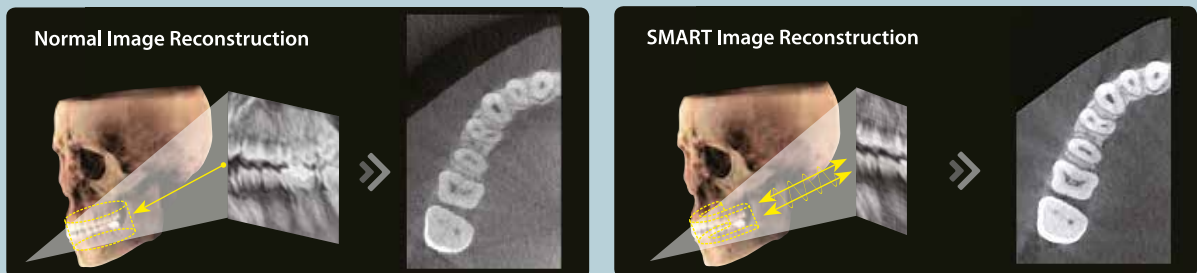
EXTENDED ARCH SHAPED FOV

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.



INNOVATIVE COMPRESSED SENSING TECHNOLOGY

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



3D SCANNING FOR MODEL

3D model scanning 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 platform from partial model to full model scanning

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

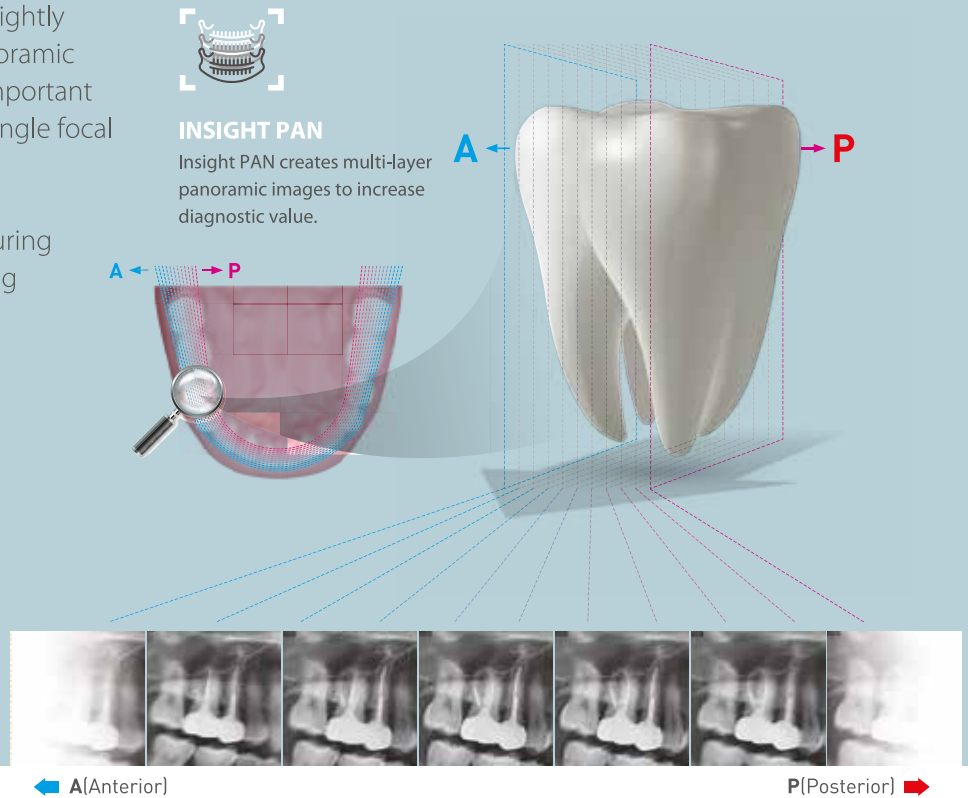
ADVANCED IMAGE SOLUTION WITH INSIGHT PAN

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 look across 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.



MINIMIZE MOTION ARTIFACTS WITH RAPID CEPH TECHNOLOGY

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 RAPID CEPH TECHNOLOGY



EZDENT-I: QUICK AND EASY DENTAL IMAGING SOFTWARE

EzDent-i provides a wide array of functions designed to streamline the dental practice's workflow. It conveniently provides tools for specialized diagnosis and consultation via our easy-to-use user interface.



Diagnosis

- Depth added diagnostics with Insight Pan



Simulation

- 2-click implant simulation
- Natural tooth whitening simulation
- Simplified canal tracing



Consultation

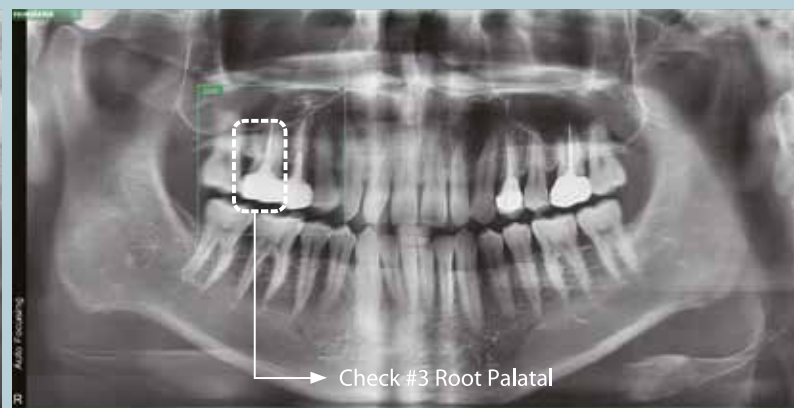
- 244 consultation videos
- Add user-created consultation content

WHAT IS INSIGHT?

The next-generation in panoramic technology, Insight Pans allow doctors to obtain never before seen, in-depth diagnostic information from the anterior to posterior on a digital panoramic image. The Insight feature allows doctors to explore their region of interest, giving them the capability to find mesiobuccal, distobuccal, and even palatal root information.



STANDARD PANORAMA



INSIGHT FEATURE

Use the Smart Plus's Next Generation Panoramic Technology to Discover:

- Hidden multi roots and canals
- Location of pulp and gutta-percha
- Broken files or root fractures

PRODUCT CONFIGURATION

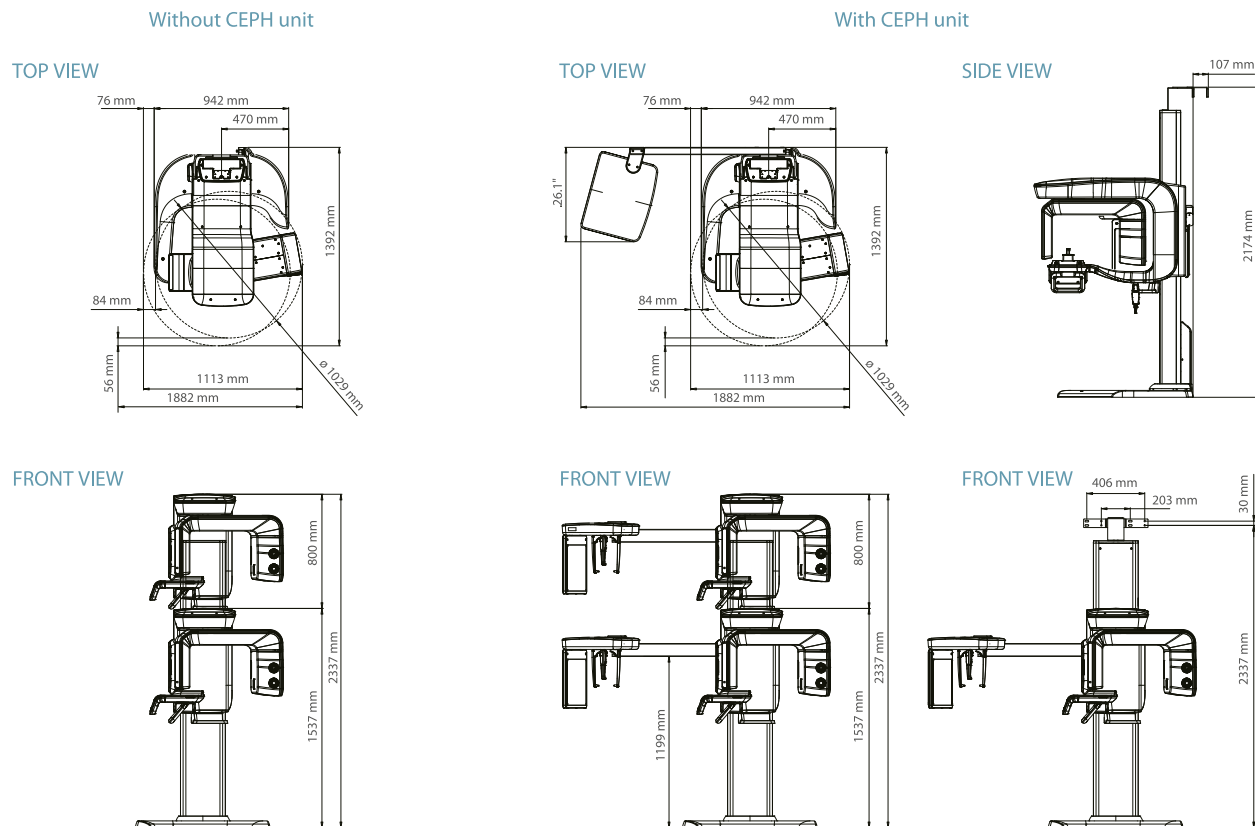
	CBCT	PANO	CEPH
Smart Plus	•	•	
Smart Plus RC	•	•	•

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 / 10x8.5 cm (Anatomical 12x9 cm) / 10x7 cm	
Voxel Size	0.08 mm / 0.12 mm / 0.2 mm / 0.3 mm	
Scan Time	CT	18 sec
	Pano	14.1 sec / 7 sec
	Ceph	1.9 sec / 3.9 sec
Gray Scale	14 bit	
Tube Voltage	60 ~ 99 kV	
Current	4 ~ 16 mA	
Weight	With Ceph unit	357.1 lbs

*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]



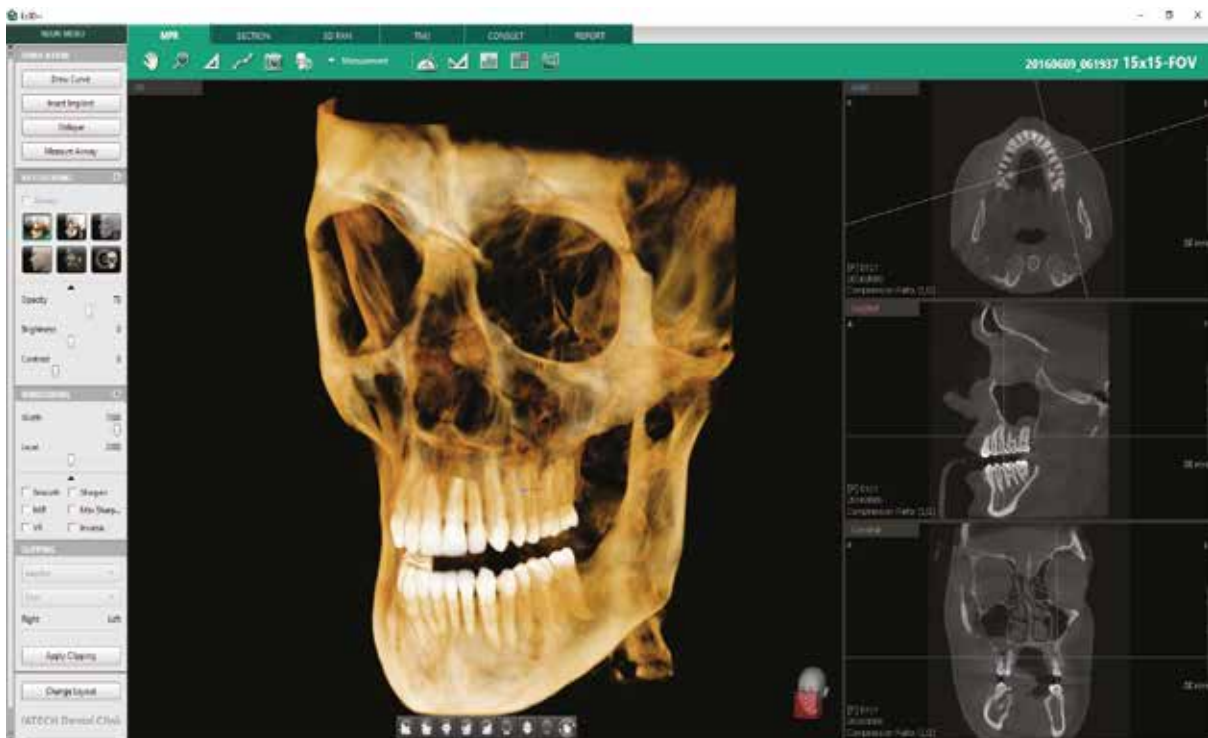
***An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).**

Ez3D-i

CUTTING-EDGE SOFTWARE FOR CUTTING-EDGE DIAGNOSTICS

Powered by a new 3D VR graphics engine, Ez3D-i is the ideal tool to quickly and easily obtain the correct perspectives needed for accurate, true-to-measurement diagnosis.

Quick and Easy **Dental 3D Imaging Software** for Every Dentist



PROVIDES QUICK AND ACCURATE DIAGNOSTIC TOOLS

- Various VR Coloring Modes and 2D Filters
- Intuitive Implant Simulation Tools
 - Collision Detection (Implant/Canal)
 - Bone Density Verification
 - Oblique Viewing Tools
- 3D Panoramic Navigation
- 2-Click Airway Analysis
- Multiple Sectional Curves and Segmentation Tools

CONSULTATION MODES INCLUDED

- Presentation Mode
- Over 200 Consultation Videos
- Easy to Capture Diagnostic Image
- 3D Panorama



Supports Various VR Coloring modes

- Teeth Mode
- Bone Mode
- Soft-Tissue Bone Mode
- MIP Mode
- Soft-Tissue Mode



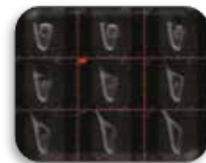
Virtual Consultation Tool

- Over 200 Consultation Videos
- Creation of Personalized Consultation Materials



Implant Simulation

- 3 Click Implant Simulation
- Collision Detection
- Bone Density
- 3D Panorama
- Oblique View Mode



Provides Quick and Accurate Cross-Section

- 8 Multi-Section(Curve) Management
- One-Click Cross Section (3D PAN tab)
- Canal Drawing

VARIOUS VR COLORING MODES AND 2D FILTERS

- Switch quickly and easily between multiple VR views



2-CLICK AIRWAY ANALYSIS

- With two clicks, obtain the volume and minimum axial area of an airway for efficient airway diagnosis



FEATURING VATECH'S VIRTUAL CONSULTATION TOOL

- With over 200 unique animations, the virtual consultation tool gives you the tools to not only educate patients on treatment plans, but also to show how the plan is relevant to their specific case



3D PANORAMIC NAVIGATION

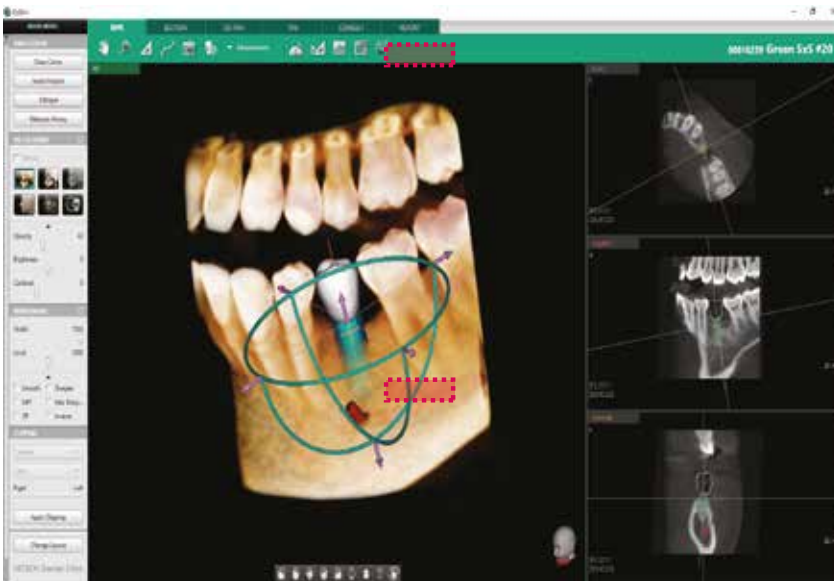
- Easily navigate and obtain a sectional view by utilizing our new and intuitive 3D panoramic navigation mode
- Simply click and drag our viewing window over the 3D panorama to obtain a sectional view of that region
- Angulation made easy



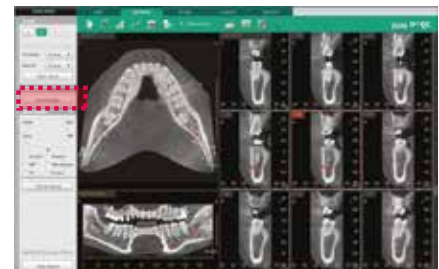
By clicking 3D Navigator and positioning to ROI, it's easy to verify 2D sectional images

IMPLANT SIMULATION

- Available in all viewing modes in Ez3D-i (MPR/Section/3DPan)
- Colorized bone density viewing modes available
- Adjustable automatic implant collision detection function between multiple implants and/or nerve canal



MPR tab



SECTION tab



3D PAN tab

MULTI-CURVE MANAGEMENT

- Draw sectional curves from either the MPR View or Sectional View
- Easily manage and up to 8 different sectional curves
- Intuitive click-and-draw sectional view manipulation

