MAXIMIZE YOUR POTENTIAL TOWARDS SUCCESS

Green X 18™

- **4-IN-1 DIGITAL X-RAY IMAGING SYSTEM**
  [PANO / CEPH / CBCT / MODEL SCAN]
- **MULTI FOV SELECTION**
- **GREEN SCAN TIME**
- **RAPID CEPH**
- **ENDO MODE WITH HIGH RESOLUTION**
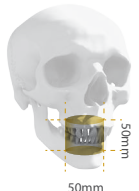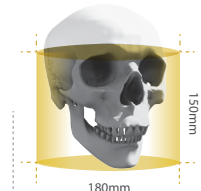- **INSIGHT 2.0 FEATURE**
- **3D SCANNING FOR MODEL**

THE ADVANCED 4-IN-1 DIGITAL X-RAY IMAGING SYSTEM

Green X 18 is an advanced 4-in-1 digital x-ray imaging system that incorporates Pano, Ceph (optional), CBCT, and Model Scan. With Vatech's extensive experience in the dental imaging eld, the Green X provides high-quality images with lower radiation by combining image processing. This will improve your diagnostic accuracy and lead to increased treatment planning and patient satisfaction.


MULTI FOV SELECTION

Green X 18 offers a range of selectable fields of view. The Multi FOV option allows users to select the optimum FOV mode while minimizing exposure to areas that are not in the region of interest. The selection includes the following FOV sizes for diagnostic needs: 18x15, 16x11, 8x8, 8x5, 5x5 and 4x4. These options cover the full arch region, sinus and left/right TMJ, and suits most oral surgery cases and multiple implant surgeries.

	FOV 4x4/5x5	FOV 8x5/8x8	FOV 16x11	FOV 18x15
REGION	- Single tooth capture	- Central dentition - TMJ (R or L)	- Dual arch including sinus and nerve - TMJ (R or L)	- Back border of jaw (Ramus) - Dual arches back to the 3rd molars plus sinus - Central incisor to spine
CLINICAL IMPLICATION	- Implant single site - Endo - Perio - Complex impaction (3rd) - OMS - Supernumerary : Ortho	- Implantology - Guided Surgery - General Dentist - OMS - Orthodontics	- Surgical guides - Sinus lifts - Bone grafting - Bi lateral sinus augmentation	- Surgical Guides - Sinus lifts for both sinuses - Complex orthognathic cases - Simultaneous diagnosis for both TMJs

GREEN SCAN TIME

Due to its scan time, the Green X 18 minimizes motion artifact and enables faster workflow. It produces superb diagnostic images, which will be a source of pride for any dental practice.
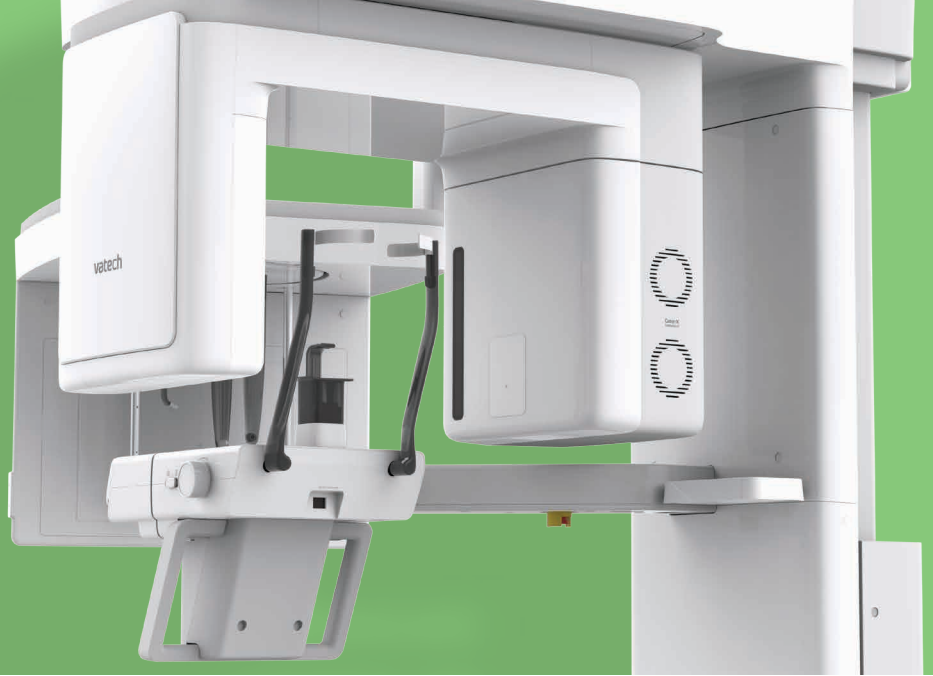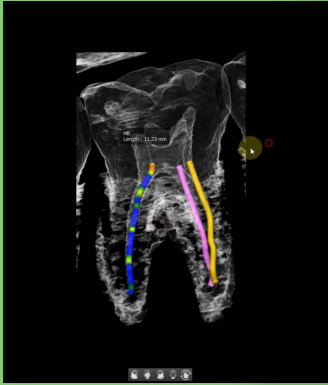Focusing on the highest quality of patient care, Vatech strives to improve the health and safety of your patients.
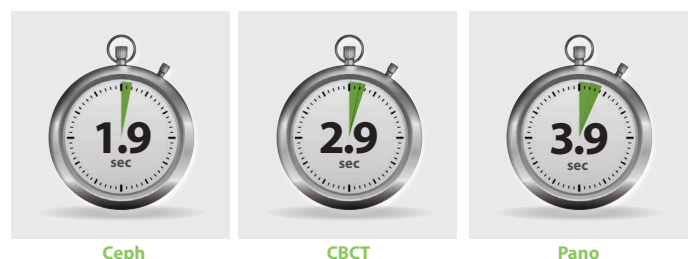
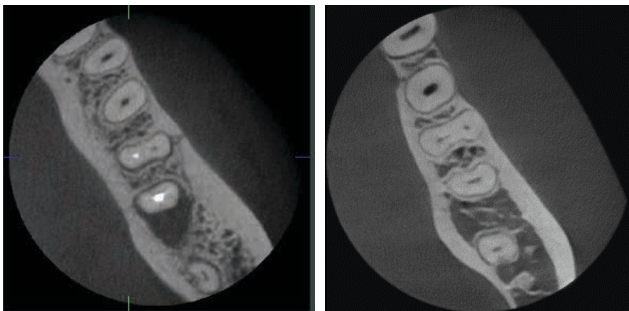**1.9** sec — Ceph **2.9** sec — CBCT **3.9** sec — Pano

ENDO MODE WITH HIGH RESOLUTION

With its 4cm x 4cm volume mode and 49.5 micron voxel size, the Endo mode will optimize 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.
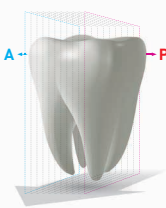
DENTAL MODE VS. ENDO MODE
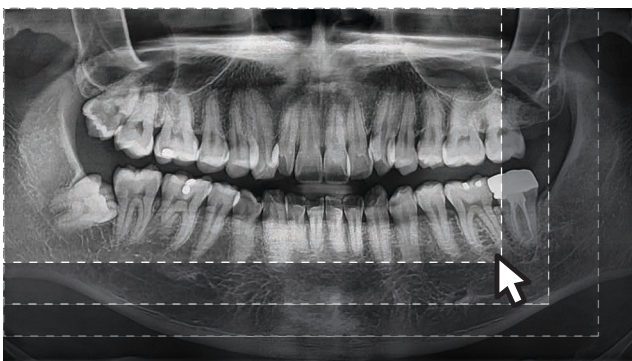

DENTAL MODE VS. ENDO MODE
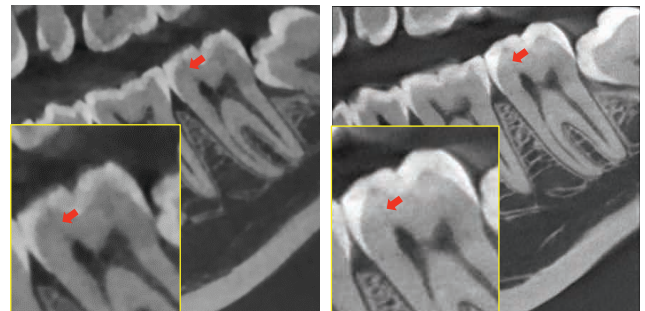
INSIGHT 2.0

The Insight Pan 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 2.0 has an upgraded free FOV feature so you will be able to capture just the area of interest.

FREE FOV

3D SCANNING FOR MODEL

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

DIGITIZED ONE-STOP CLINIC

Specially designed Jig
• Stable protection from partial model to full model

**CAD/CAM integration**

*3D scanning for Plaster Cast with FOV 8x8 (cm)

SPECIFICATIONS [Green X 18 : **PHT-75CHS**]

Function		CT + Pano + Ceph + Model Scan
Focal Spot Size		0.5 mm (IEC 60336)
CT FOV Size		4x4, 5x5, 8x5, 8x8, 16x11, 18x15 cm
Voxel Size	4x4	0.05 mm
	5x5	0.08 mm / 0.12 mm
	8x5 / 8x8	0.12 mm / 0.2 mm
	16x11 / 18x15	0.2 mm / 0.3 mm
Scan Time	Pano	4.0 sec / 14.1 sec
	Ceph "New Rapid Ceph"	1.9 sec / 4.9 sec
	CBCT	2.9 sec / 9.0 sec
Gray Scale		14 Bit
Tube Voltage / Current		60 - 99 kVp / 4 - 16 mA
Weight	Without CEPH unit	165.9 kg (365.74 lbs - without Base)
		220.9 kg (487.00 lbs - with Base)
	With CEPH unit	190.9 kg (420.86 lbs - without Base)
		245.9 kg (542.11 lbs - with Base)
Dimensions	With CEPH unit	1905.5 mm (L) x 1374.9 mm (W) x 2315.4 mm (H) - without Base
		1905.5 mm (L) x 1374.9 mm (W) x 2345.4 mm (H) - with Base
	Without CEPH unit	1085.0 mm (L) x 1343.5 mm (W) x 2315.4 mm (H) - without Base
		1085.0 mm (L) x 1343.5 mm (W) x 2345.4 mm (H) - with Base

*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: Inch / mm]

WITH CEPH

WITHOUT CEPH

TOP VIEW

FRONT VIEW
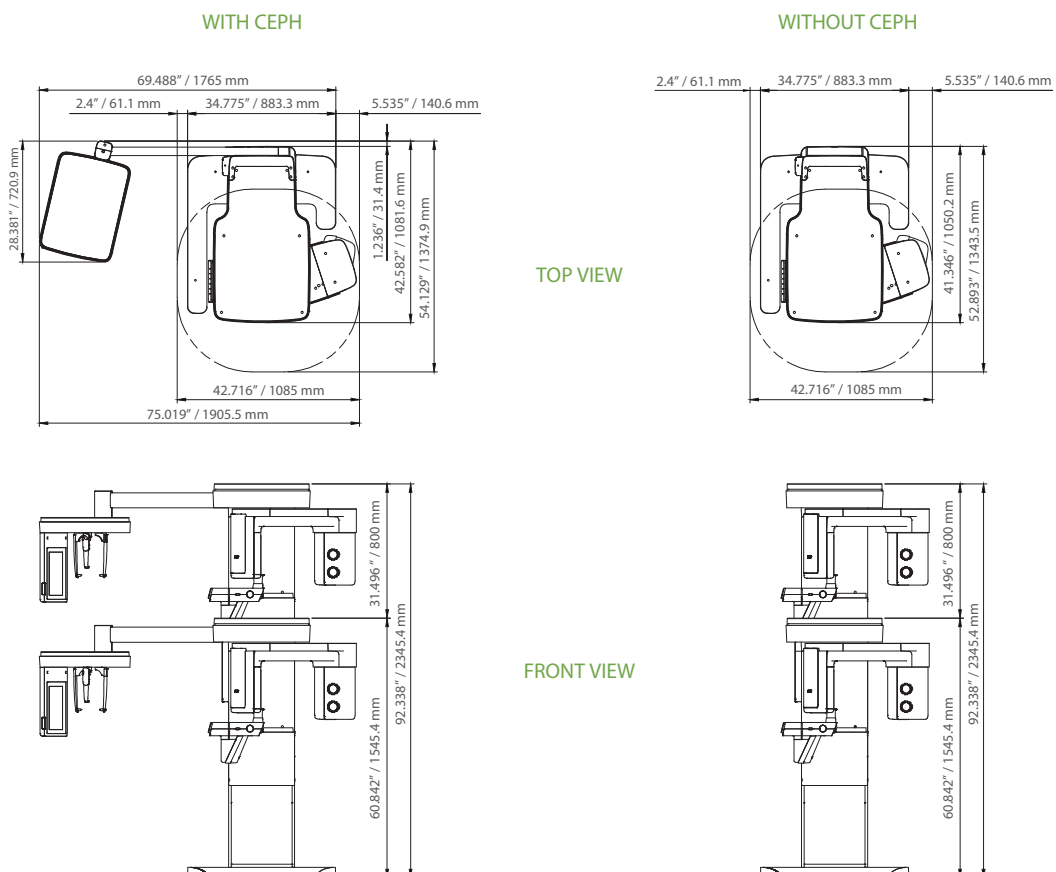
Ez3D-i

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 diagnosis image
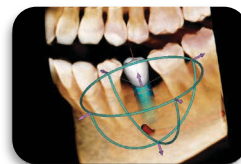- 3D Panorama

Supports Various VR Coloring modes

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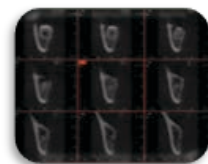- MIP Mode
- Soft-Tissue Mode

Virtual Consultation Tool

- Over 200 consultation videos
- Creation of personalized consultation material

Implant Simulation

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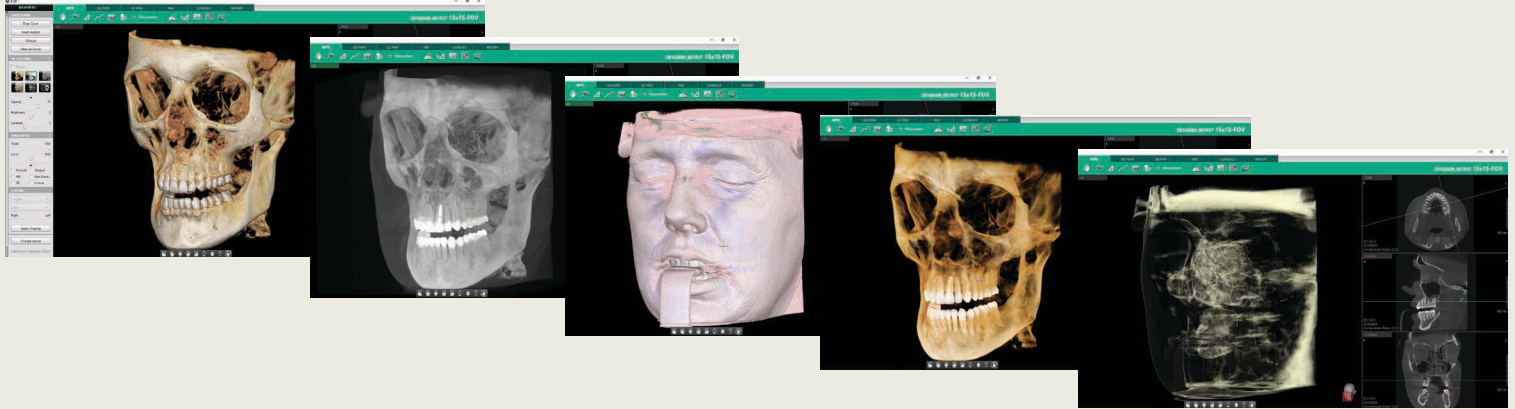- 3D Panorama
- Oblique View Mode

Provides Quick and Accurate Cross-Section

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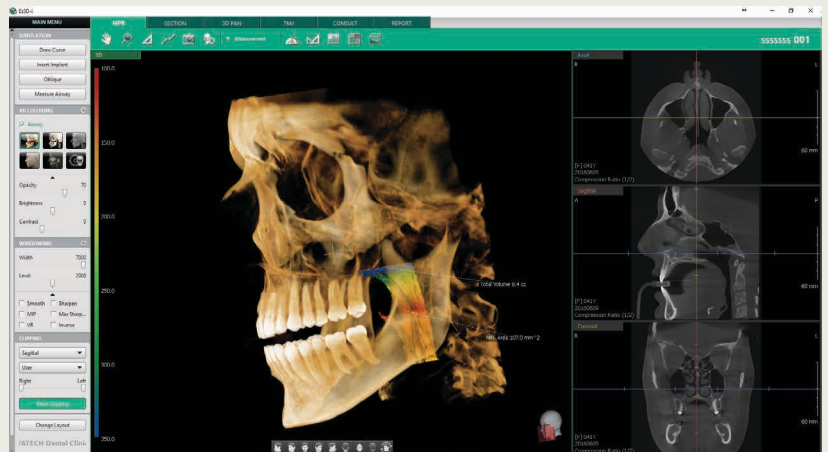- One-Click Cross Section (3D PAN tab)
- Canal Drawing

VARIOUS VR COLORING MODES AND 2D FILTERS

• Quick and easy switch 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, VCT gives you the tools to not only educate patients on treatment plans, but also to show how this plan is relevant to their specific case
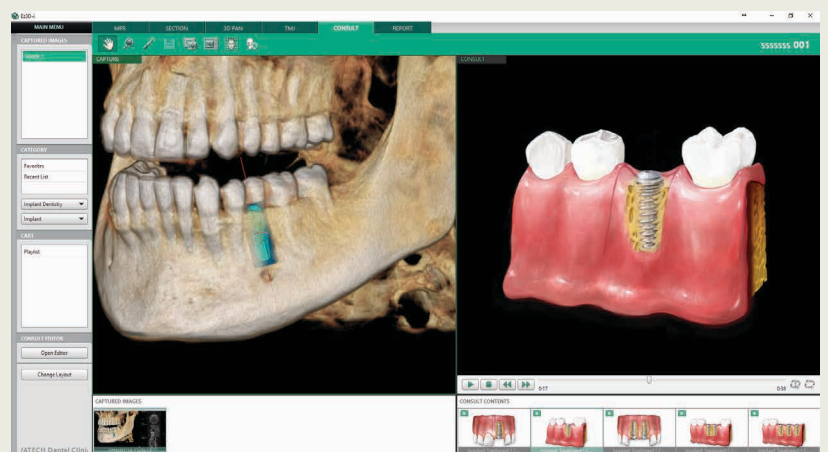
3D PANORAMIC NAVIGATION

- 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
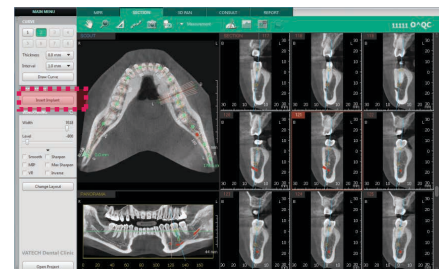- Angulation made easy

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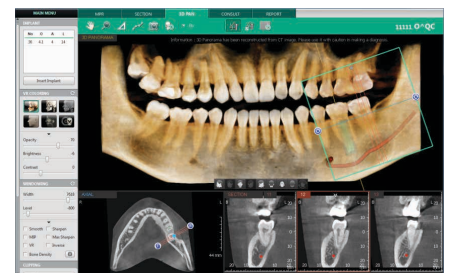
IMPLANT SIMULATION

- 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
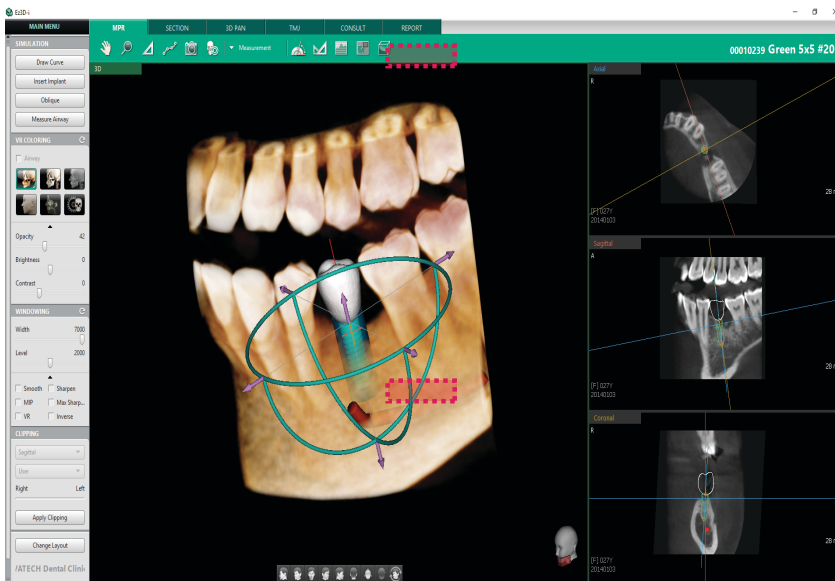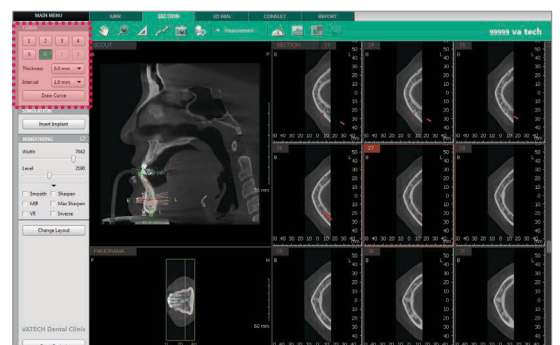

MPR tab

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
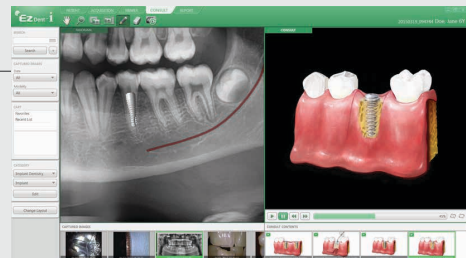- Intuitive click-and-drag sectional view manipulation

EzDent-i

THE WORLD'S FIRST CLINICAL IMAGING & PATIENT CONSULTATION SOLUTION

Featuring... Vatech's Virtual Consultation Tool (VCT)

With over 200 unique animations, VCT gives you the tools to not only educate patients on treatment plans, but also to show how this plan is relevant to their specific case.
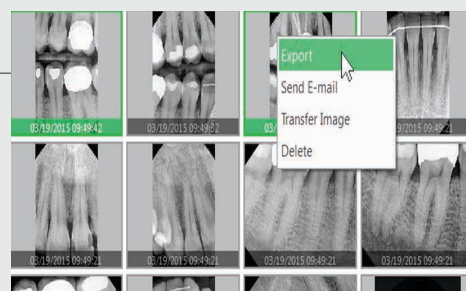
Get The Most Out Of Your Images

Using our revamped Sharpening and Max Sharpening Tool, enhance the quality of your images even further than ever before.
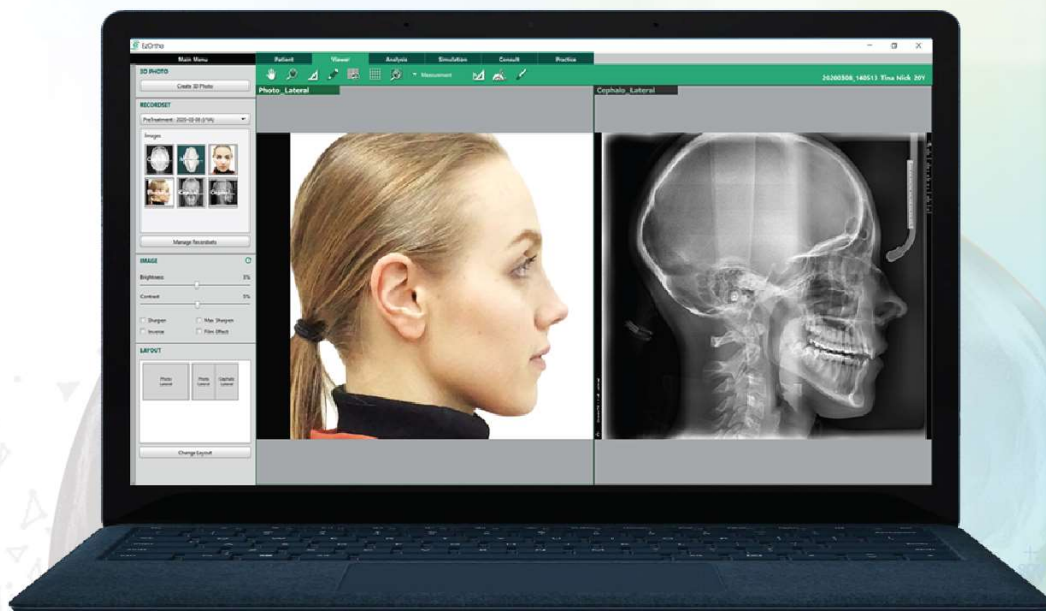
Manage Your Images, The Easy Way

Organize and export your images quickly and efficiently and avoid complicated procedures and training using EzDent-i's intuitive Click-And-Drag based interface.

vatech

EzOrtho™

A.I Powered All-In-One
Essential tool for your digital orthodontic practices

Simple · Accurate · Auto Tracing · Orthodontics · Easy · 3D Photo · Precise · Intuitive · Reliable · Analysis · Treatment Planning · Differentiation · Consultation

Workflow-Oriented Tabs

EzOrtho™ organizes features relative to the entire workflow from patient image registration to diagnosis, simulation, and patient consultation which enhances ease of use.

Image Registration   Image Reading   Orthodontic Analysis   Simulation   Patient Consultation

Auto-Tracing (A.I-aided feature)

DAVIS™ which is VATECH's Ai-aided feature will automatically find all the landmarks required from 15 unique analysis methods selection to choose from.

Save your time and see more patients!

☑ Landmark Location

☑ Cephalo Tracing

☑ Measurement

*The image above is a sample of what auto tracing result may look like.

Auto Calculated Analysis Results

When the user selects an analysis method, relevant anatomical guidelines are drawn automatically, and measurements are calculated automatically.

Various Analysis Methods

Downs, Jarabak, McNamara, Ricketts, Steiner, Tweed, Kim, Burstone, AMC I, AMC II, Method I, Method II, Beijing, Wylie, Jefferson

<Downs>   <Ricketts>   <Jarabak>

Analysis Chart

Analysis Results with Analyzed X-ray Image

EzOrtho™

Simliar UI/UX to EzDent-i & Ez3D-i

EzOrtho's UI/UX is similar to that of EzDent-i and Ez3D-i, increasing familiarity and reducing time spent learning a new software.

1 Tools for the image reading : panning, zooming, measuring and more.

2 Selection of Recordset & layout, windowing and create 3D photo etc.

3 Displays the image corresponding to the selected layout.

Simple Model Analysis

Measure just one tooth.
EzOrtho™ automatically calculates the length of the remaining teeth and instantly provides the results of the four model analyses.

1. Measure Mesial and Distal points of a tooth for calibration
2. Enter the physically measured length
3. EzOrtho automatically calculates the length by dots on Mesial and Distal of the remaining teeth and provides the model analysis results.

*Arch length discrepancy is a key deciding factor of tooth extraction

EzOrtho™

3D Photo Simulation

Morphing & Comparing the facial features can be a useful patient consultation tool for all patients and it can be created at any point during the orthodontic treatment.

3D Photo Generation

Morphing & Comparing
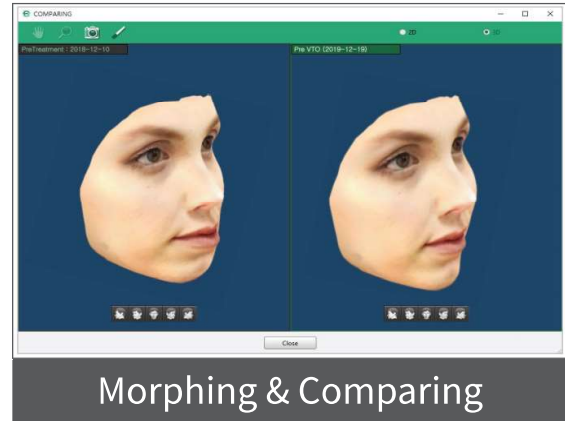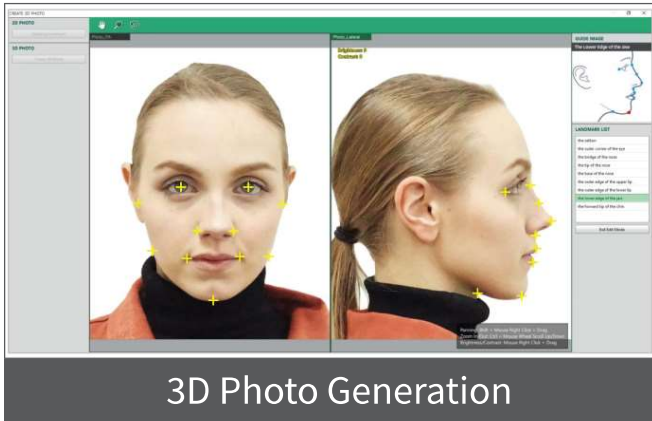
Consult Premium

Supplementing verbal communication with animations helps the patient better understand the treatment process, resulting in a more effective consultation.
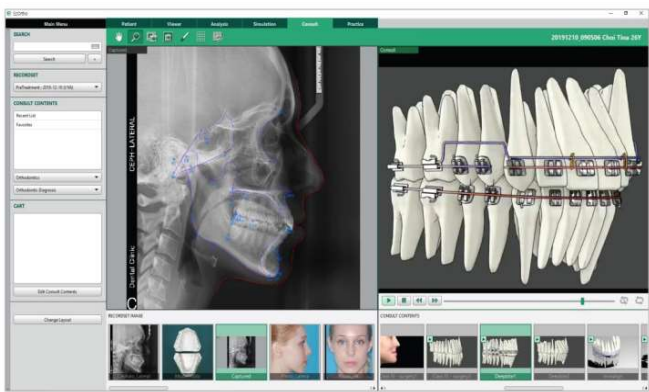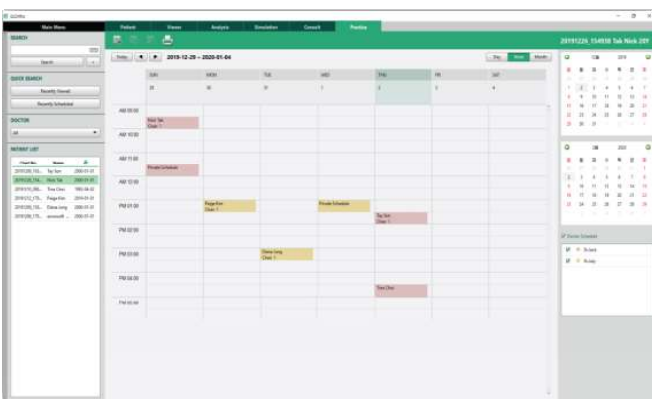

1 Make the most out of a consultation session

2 244 animations of various dental treatments

3 Add user-created consultation contents

* With 244 animated videos explaining clinical treatments for various diagnostic fields, including 22 videos for orthodontic treatment.

Appointment Management

Manage in-clinic reservation status by day, week and month

1 Appointment Schedule
- Manage schedule for each dentist

2 Work Scheduling for Clinic
- Register and manage Clinic's schedule such as purchasing date of consumable items

3 Private Scheduling for Clinicians
- Register and manage private schedule for a clinician in case of a dentist see patients in multiple clinics

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