



# :PaX-Duo3D



The Best Solution with 2 in 1  
for Implant Specialists



We care for our customers

We care for the patients

We care for our partners

With insight, *Caring Insight*



## World's Best Dental Imaging Company

VATECH & E-WOO, the digital imaging world leader announces all new CI. Based on cutting-edge technologies and comprehensive quality control, love and devotion from the fundamentals of medical and dental are added in to express sincere caring and empirical insight.

The VATECH & E-WOO's philosophy is embedded in the TRI-circle of light; the three circles represent passion, specialty and, innovation respectively. They are the three pillars of how we conduct our business.

Caring Insight VATECH

# PaX-Duo3D



**Auto-Switching** between  
Panoramic & CBCT Sensors



Panoramic



180°



CBCT





# The Most Advanced Technology

## ALC(Adaptive Layer Control) Technology

- ▶ Eliminates blurred images of the incisor and molar
- ▶ Special scanning modes for incisor / mandibular canal / maxillary molar

## CAN(Controller Area Network) System

- ▶ Reliable and safe data communication system

## AOP(Automatic Optimizing Process) Technology

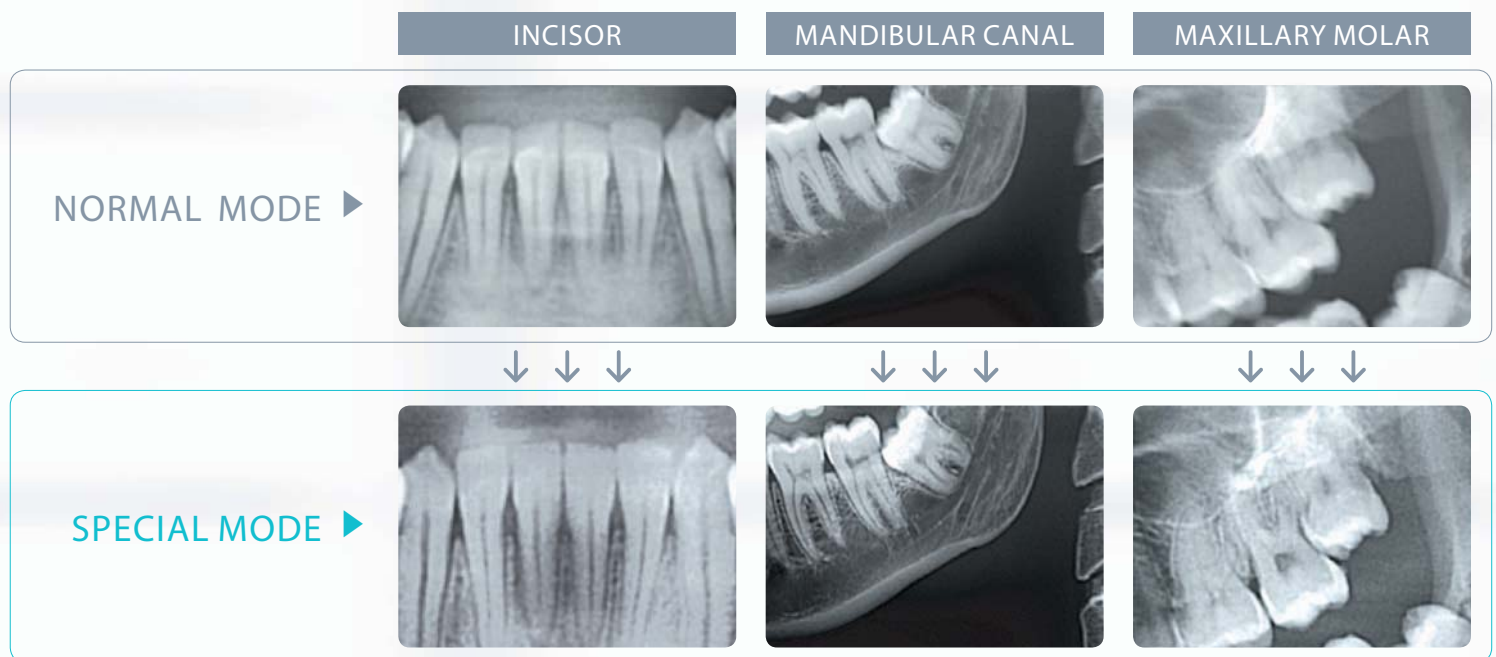
- ▶ Automatically displays the optimal image

## Auto-Switching Technology

- ▶ Two embedded sensors changing in the right position

## EzRecon Technology

- ▶ GPU solution for considerably shorter reconstruction time



# Cost-Effective

PaX-Duo3D offers the most efficient '2-in-1' solution for all dental specialists by providing high-quality Panoramic & 3D images at an affordable price. With the Auto-Switching system between Panoramic & CBCT sensors, you can easily change the scan mode from Panoramic to 3D.

## Panoramic Image



## CBCT Image



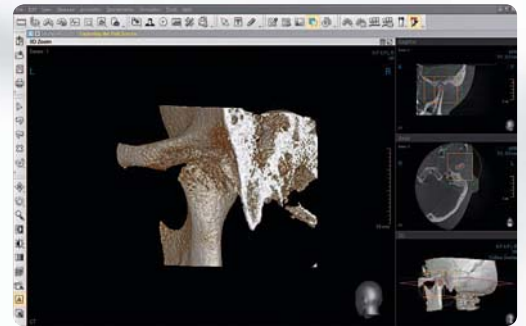
# PaX-Duo3D \_ Flexible Diagnosis System



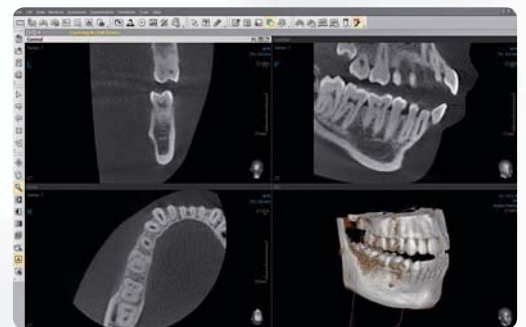
## The Most Practical FOV size for Implantologists & Oral surgeons

PaX-Duo3D provides 4 multi FOV sizes from 5x5 to 12x8.5. By selecting the appropriate FOV size, you can save time from diagnosis to surgery with the optimal radiation dose. In addition, with the 12x8.5 FOV size, you can check the status of teeth in the full arch and structure of the maxillary sinus.

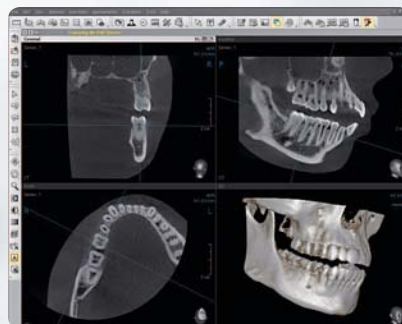
Likewise, the various capture modes of PaX-Duo3D help obtain an optimized image of the required area with low-dosage & time efficiency features. The capture program includes modes such as Maxillary, Mandible, Occlusion, and TMJ. Furthermore, each mode specifically supports the right, left, and center areas for more exact & precise diagnosis.



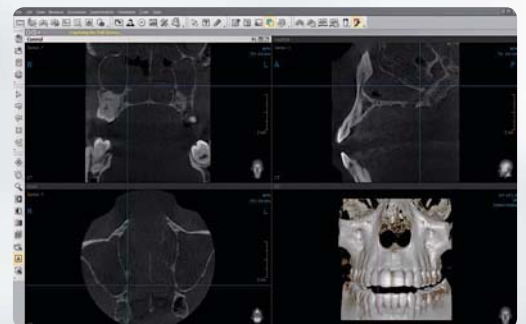
TMJ right mode



Mandible right mode



Maxillary right mode



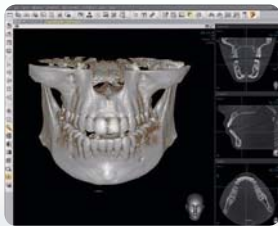
Maxillary center mode



# Multi FOV

PaX-Duo3D provides multi FOV sizes to meet customers' various demands. Ensuring only the region of interest is imaged based on the patients treatment plan.

FOV12x8.5



### FOV12x8.5

- ▶ With a 12x8.5 FOV size, the status of the entire dental arch is determined with only one scan for implant surgery. Moreover, more accurate and safer implant can be performed by obtaining anatomical information on the inside of the maxillary sinus.



FOV5x5



### FOV 5x5

- ▶ With the 5x5 FOV size, only the region of interest is imaged, reducing patient dose and eliminating the need to diagnose unnecessary structures.

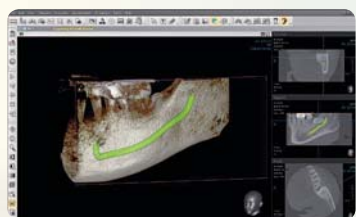
## Secures the Best Image Quality

- ▶ The smallest voxel size(0.08)
- ▶ MAR(Metal Artifact Reduction) mode

## EzRecon - The Short Reconstruction Time

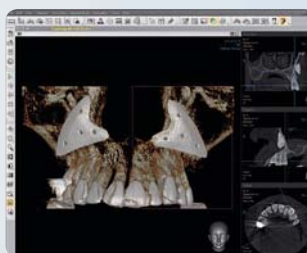
- ▶ Acquire all reconstructed images in the most shortest time by GPU algorithm.

## Clinical Cases with PaX-Duo3D



### Impacted Teeth

Through CT imaging, impacted tooth recognition is easier and quicker. Position and direction can be correctly determined making operating as easy and as safe as with more routine types of clinical cases.



### Maxillary Surgery

Visualization of the digital CT images enhance the dentist's ability to locate an extra tooth more clearly.



# Ez3D 2009 \_ Easy to Professional



## Customized S/W

Users can customize various features such as the composition and position of the toolbar. You can use it intuitively by deleting the unnecessary features and creating your own menu. From now on, enjoy uniquely customized S/W.



MPR Mode

## Intuitive, User-friendly

### Menu bar

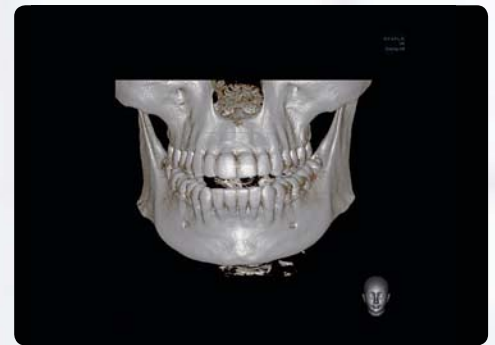
You can find the function you want conveniently by using the menu bar or toolbar at the same time.

### Guidance

Guidance is given through anatomical icons displaying the direction of image in a user-friendly interface.

### Knowledge Info

Similar to a dictionary, it enables doctors to refer the required clinical information conveniently when they perform an implant surgery. From now on, it will help make our 3D SW the clinical and analysis tool for CBCT images.



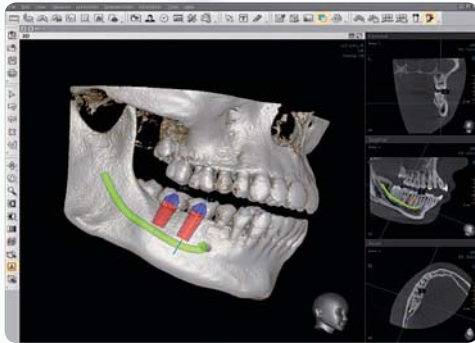
3D Volume Rendering Image



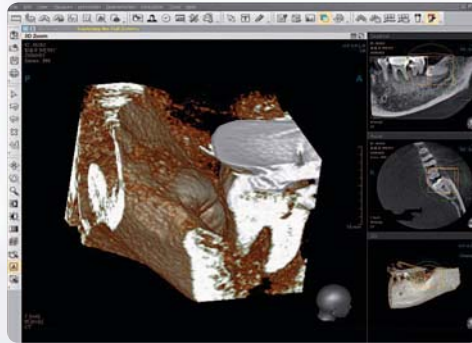
← Cross-Sectional View



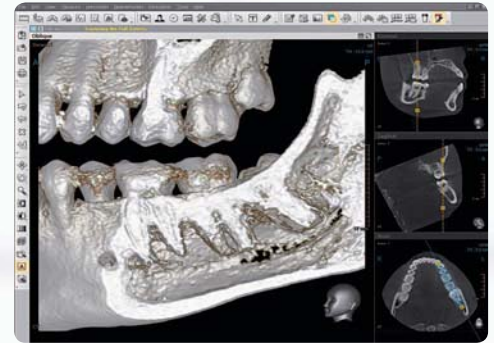
## Precise Diagnosis



Canal Draw and Implant Simulation



3D Zoom



Oblique Slice

### Profile

Displays the bone density profile ensuring optimal implant placement.

### Canal Manager

Canal size and colour can be adjusted allowing accurate diagnosis and implant planning.

### Implant Simulation

The Implant Simulation function reduces the risk during surgery and Ez3D allows simple and accurate planning without complicated processes seen in other software.

### Automatic Mode

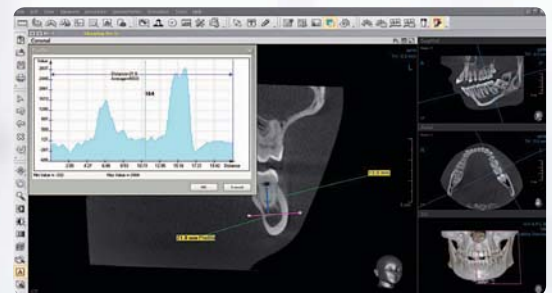
More convenient, fast, and accurate surgery can be performed with the automatic Cross-Sectional and Canal Drawing.

### Various View Modes

You can diagnose using various view modes such as Cross-sectional View, Oblique View, 3D Zoom.

### Automatic UI

Cross-sectional/Canal drawing



Measure and Profile in Cross-sectional View



3D Volume Measurement

## Data Export

The Report and CD Publishing functions of Ez3D 2009 can be a useful tool for seminar and sharing of patients' information.

CD publishing includes viewing software along with the patient image, ideal for referral centres.

- ▶ STL Export
- ▶ Powerful CD Publishing
- ▶ Free Simple Viewer
- ▶ EzReport



Counsel function

# Integrated Program for Diagnosis and Communication with Patient - EzDent 4.0



## EzDent

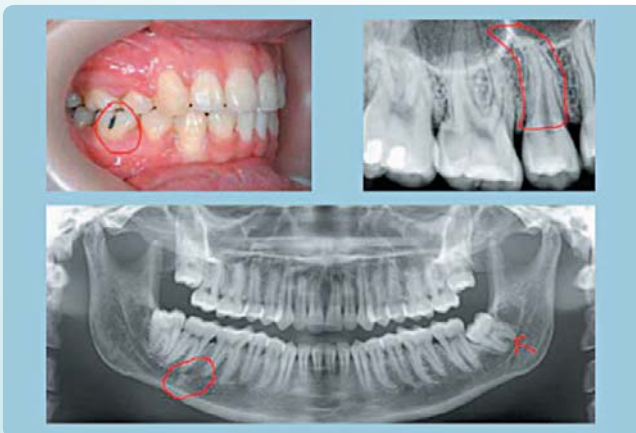
"EzDent" is easy to learn and convenient to use.

It is a communication and patient database tool.

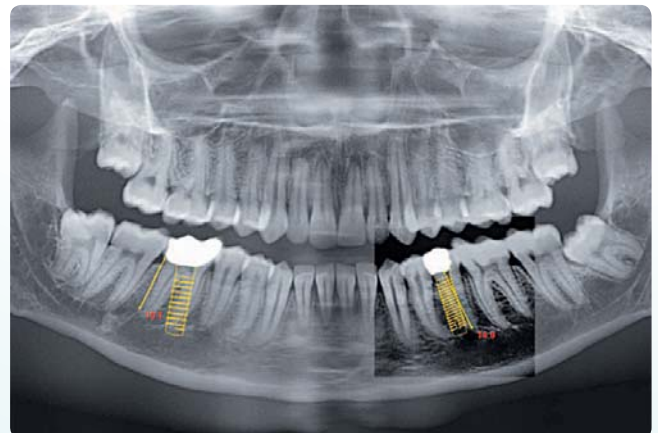
In addition, all kinds of image formats are supported (bmp, jpg, tif, dcm, etc).

This program can easily be connected with other softwares such as clinical management software.

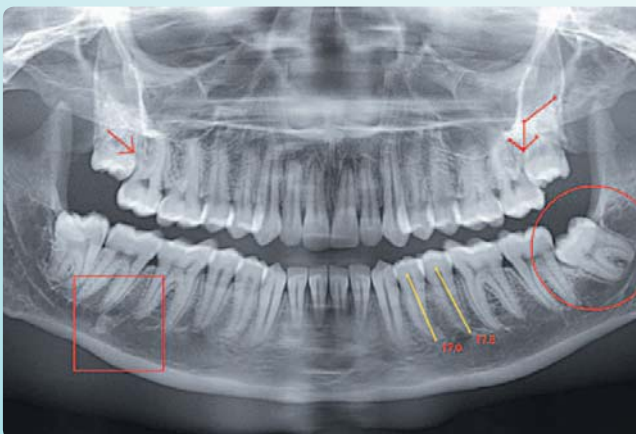
Multi Window Function



Implant Simulation Function



Magnification Function



Free Draw Function



# PaX-Duo3D \_ Dimensions

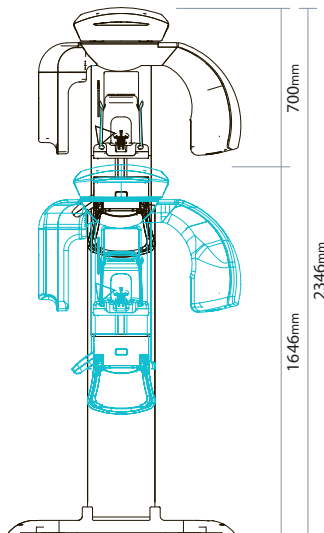


## PaX-Duo3D\_ Pano / CBCT

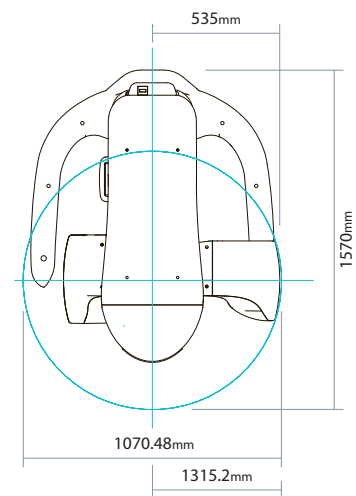
### View



### Front View



### Top View





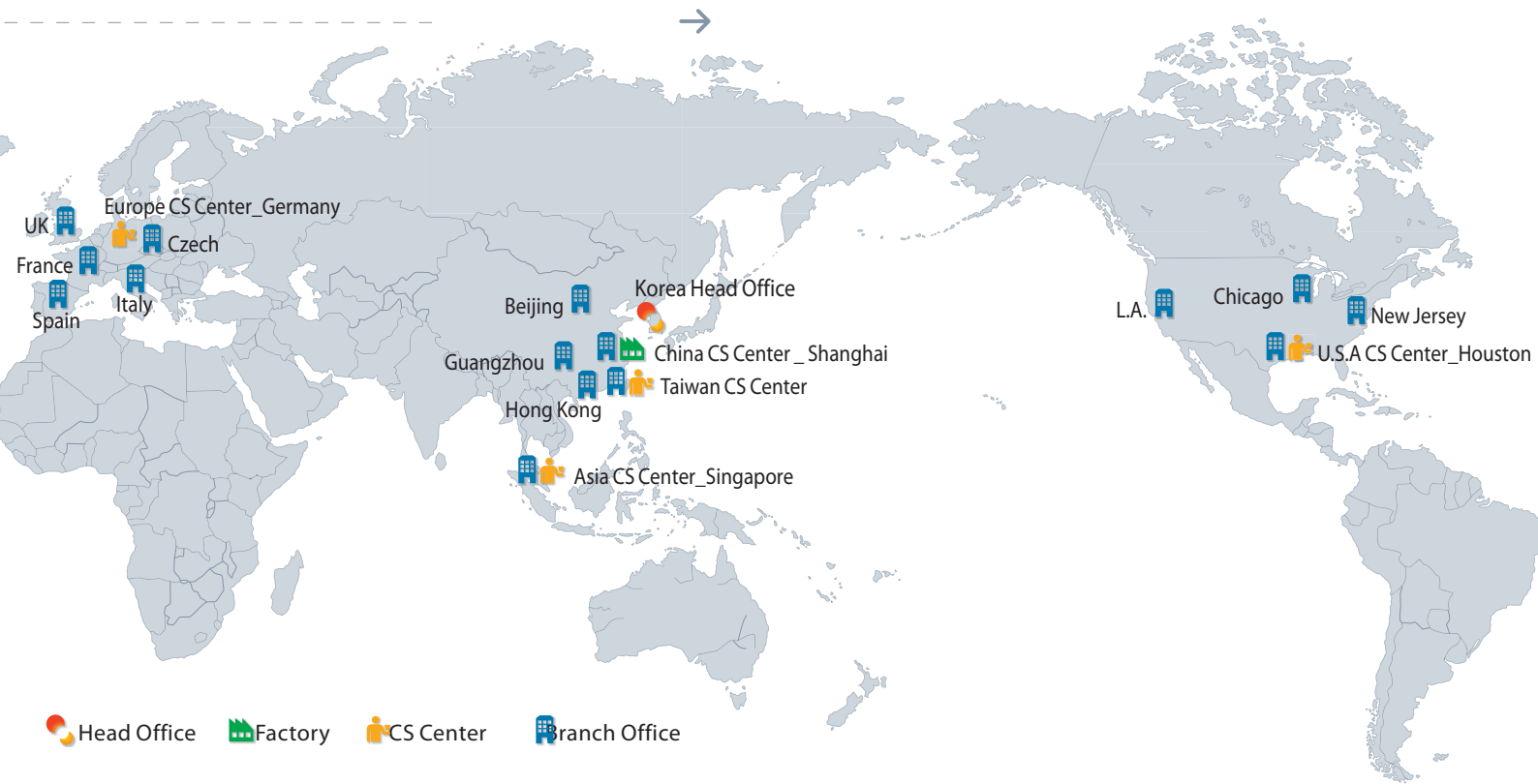
## Specification

### PaX-Duo3D

Function	CBCT
FOV Size (cm)	5x5,8.5X5,8.5X8.5,12X8.5
Exposure Time	15sec/24sec
Recon Time	18sec/30sec
Voxel Size	0.08~0.2mm
Dimension(WxDxH mm)	1057x1490x2346.4
Patient Position	Standing / Wheel-chair accessible
Generator Voltage	60-90kVp
Generator Current	2-10mA
CBCT sensor	FPD
Rotatin Unit scan angle	360°



# : World Wide Network



In 11 nations around the world, VATECH & E-WOO is now receiving praise from customers as a world's No.1 digital Radiography & CT. We will continue to provide differentiated value to our customers, thereby spreading VATECH & E-WOO's love across the globe

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