Caring Insight
VATECH

:PaX-Duo3D

The best 2 in 1 solution
for Implant Specialists

We care for our customers
We care for your patients
We care for our partners

With insight, *Caring Insight*

Caring Insight
VATECH

The world's leading Dental Imaging Company

At Vatech & E-Woo, we follow a simple business philosophy; to develop our talent and technology to create superior products and services that contribute to a better medical environment.

The three circles you see on the Vatech logo signify our commitment to this philosophy. They represent passion, speciality and innovation.

These are the core values at the heart of every decision the company makes.

:PaX-Duo3D

The Most Advanced Technology

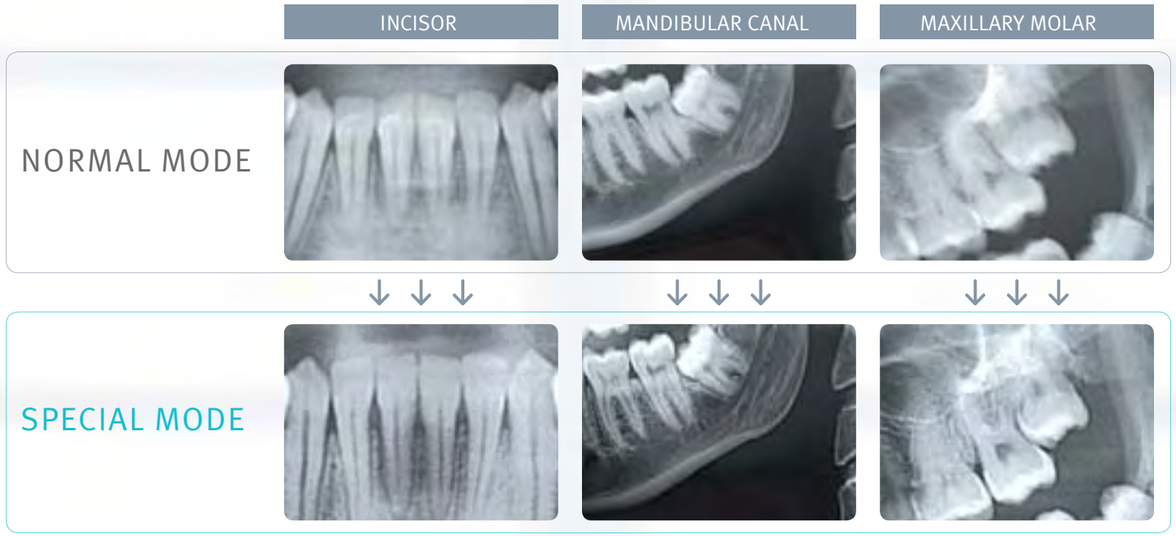
ALC (Adaptive Layer Control) Technology
- Eliminates blurred images of the incisor and molar
- Special scanning modes for incisor/mandibular canal/ maxillary molar

CAN (Controller Area Network) System
- Reliable and safe data communication system

AOP (Automatic Optimising Process) Technology
- Automatically displays the optimal image

Auto-Switching Technology
- switching between Panoramic and CBCT sensors

EzRecon Technology
- GPU solution for considerably shorter reconstruction time



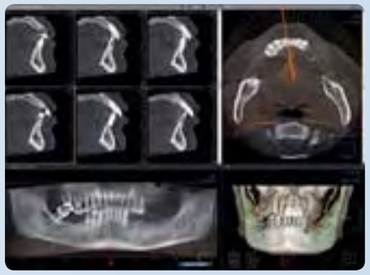
Auto-Switching between Panoramic & CBCT Sensors

Customised Functions for Specialists

PaX-Duo3D offers the most efficient '2 in 1' solution for all dental specialists. A machine specially designed to enable implantologists and oral surgeons to carry out a full diagnosis and planning.

Panoramic Image

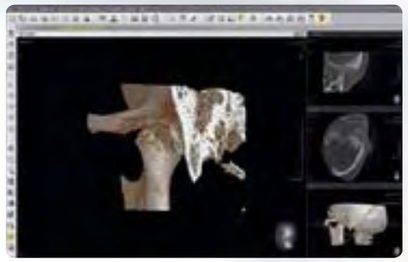
CBCT Image

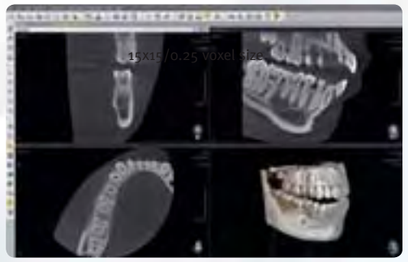


:PaX-Duo3D _ Flexible Diagnosis System

Selectable FOV (5x5, 8.5x5, 8.5x8.5, 12x8.5) for a practical diagnosis

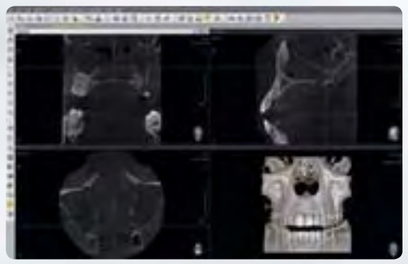
PaX-Duo3D provides 4 multi FOV sizes from 5x5 to 12x8.5. This allows the user to select the optimum FOV in each case and minimise patient dose. In addition, the 12x8.5 FOV size allows you to view the full dental arch and the structure of the maxillary sinus.
Likewise, the various capture modes of PaX-Duo3D provid an optimised image of the required area with low-dosage and time efficiency features. The capture software offers Maxillary, Mandible, Occlusion and TMJ modes and also supports right, left and central area views for more 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. This ensures only the region of interest is imaged based on the patient's treatment plan.

FOV 12x8.5

FOV 12x8.5

- With a 12x8.5 FOV size, the entire dental arch is displayed in only one scan, providing accurate anatomical information for safer implant surgery.

FOV 5x5

FOV 5x5

- With the 5x5 FOV size, only the region of interest is captured, eliminating the need to diagnose unnecessary structures, thus reducing X-Ray dosage.

Secures the best image quality

- The smallest flexible voxel size (0.08mm - 0.2mm)
- MAR (Metal Artefact Reduction) Mode

EzRecon - The Short Reconstruction Time

- Acquire all reconstructed images in the shortest time using the GPU algorithm

Clinical cases using PaX-Duo3D

Impacted Teeth

Through 3D Imaging, impacted tooth recognition is easier and quicker. Position and direction can be easily determined enabling safer decision making surgery.

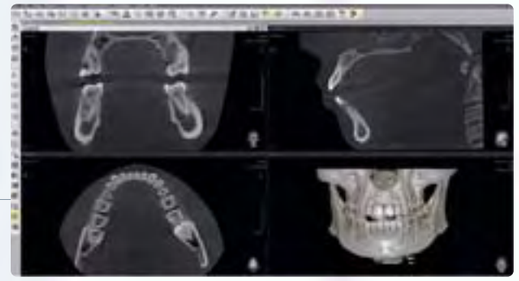
Maxillary Surgery

Visualisation of the CT images enhances the dentist's ability to understand the anatomy of the jaw. The 3D images are also a good communication tool when explaining cases to patients.

:Ez3D 2009 _ A range of applications from basic to professional

Customised software

Users can customise 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. Now you can enjoy uniquely customised software.



MPR view

Intuitive and user-friendly

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

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

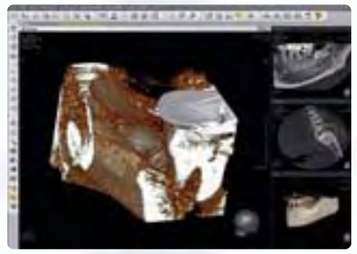
Knowledge and information
Similar to a dictionary, it enables dentists to refer to the required clinical information conveniently when they perform implant surgery.
This makes our software the definitive, state-of-the-art clinical and analysis tool for CBCT images.

3D volume rendering image

← Cross-Sectional View

Precise Diagnosis

Canal Draw and Implant Simulation



3D Zoom

Oblique Slice

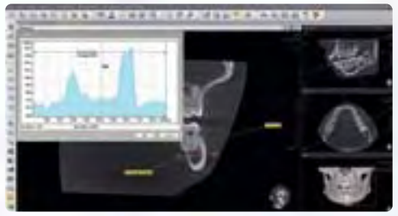
Canal Manager
Canal size and colour can be adjusted, allowing accurate diagnosis and implant planning.

Implant Simulation
The Implant Simulation function reduces the risk during surgery and Ez3D 2009 allows simple and accurate planning without complicated processes seen in other software.

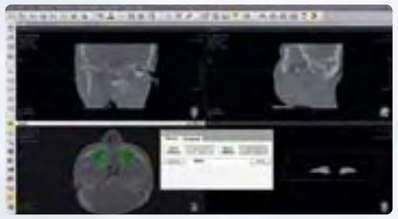
Various View Modes
You can diagnose using various view modes such as Cross-Sectional View, Oblique View and 3D Zoom.

Profile
Displays the bone density profile enabling dentists to diagnose accurately and plan implant treatment.

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



Measure and Profile



3D Volume Measurement

Data export

The Report and CD Publishing functions of Ez3D 2009 can be a useful tool for seminars and sharing of patients' information.
CD publishing includes viewing software along with the patient image and is ideal for referral centres.

- Powerful CD Publishing
- Free simple viewer
- EzReport

Counsel function

An integrated program for diagnosis and communication with the patient - EzDent 4.0

EzDent 4.0

“EzDent 4.0” is a communication and patient database tool that is easy to learn and convenient to use.
In addition, all kinds of image formats are supported (bmp, jpg, tif, dcm, etc).
This program can easily be connected to other software programs such as practice management software.

Multi Window Function

Implant Simulation Function

Free Draw Function

Magnification Function

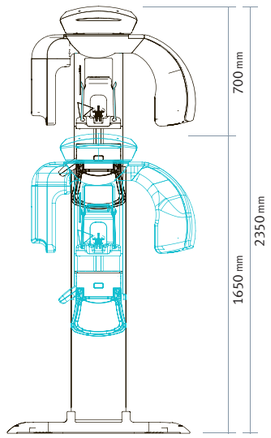
:PaX-Duo3D _ Dimensions

→ Specification

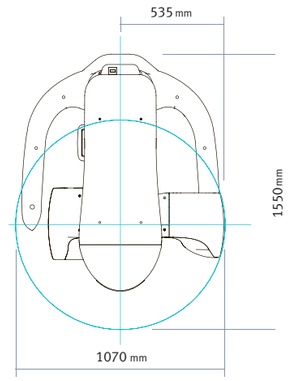
PaX-Duo3D_ Pano / CBCT

View

Front View



Top View



PaX-Duo3D	
Function	CBCT + Pano
FOV size (cm)	5x5, 8.5x5, 8.5x8.5, 12x8.5
Exposure Time	CBCT: 15sec/24sec Pano: 3sec - 13.5 sec
Recon Time	Less than 1 min
Voxel Size	0.08~0.2mm
CBCT Sensor Type	FPD
Rotation per Scan	360°
Generator	Voltage: 50 - 90kVp Current: 2 - 10mA
Patient Position	Standing/ Wheelchair accessible
Dimensions (WxDxH mm)	1070 x 1550 x 2350

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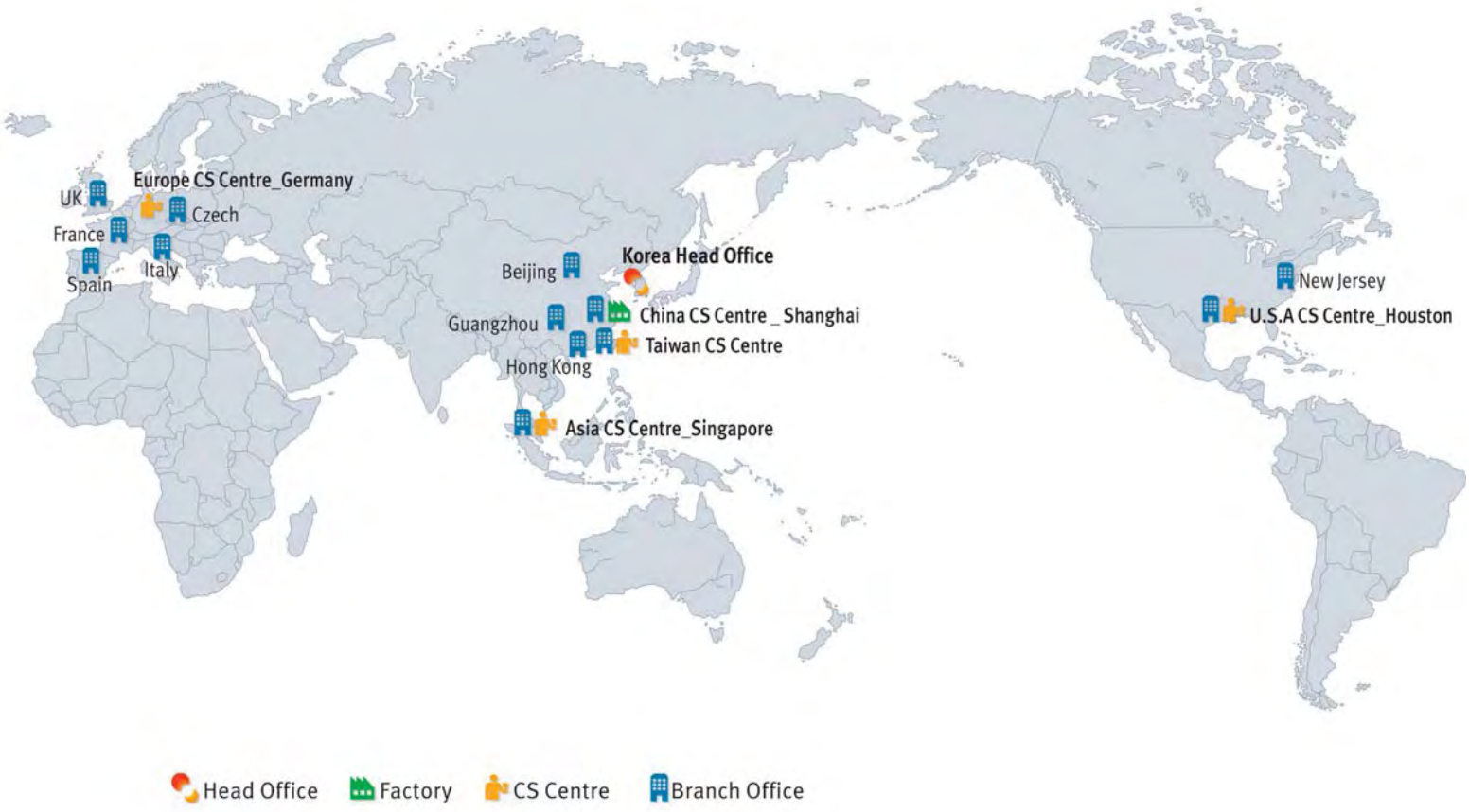
: World Wide Network



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