PaX-Reve3D

World's Best 3 in 1
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-Reve3D

3 in 1 System
Ergonomic design
Revolutionizing Digital Radiographic 3D Imaging...

The Premium for Professional

1. The largest FOV with 3 in 1
2. The first CT to offer "Free FOV"
   • You can select FOV based on the purpose of diagnosis.
3. Secures the best image quality
   • The smallest voxel size (0.08mm)
   • MARI (Metal Artifact Remove) mode
   • AMPT (Adaptive layer Mode Panoramic Tomography)
4. The extremely low X-ray dosage with pulsed scan type
5. Patient monitory video system
6. One shot Ceph
7. User-friendly functions
   • Stable communication between patient and staff
     - Camera & Voice function
   • Adjust the height of the column automatically based on the patient information record.
   • Support of multi-language by convenient MP3 chip
8. EzRecon - Short reconstruction time
   • Reconstructed images acquired in the shortest possible time by the GPU algorithm.
9. Modern, elegant design
   • Compact design requiring very little space
   • Wheel-chair accessibility
New technology from VATECH & E-WOO

To obtain ideal 3D images, VATECH & E-WOO has improved the MAR system offering superior diagnostics to modern dentistry. Artifacts arising from metal objects can cause significant problems in the image quality of adjacent structures and prevent accurate diagnosis. VATECH newly developed MAR technology (Metal Artifact Remove technology) minimizes artifacts providing excellent image quality.

* KAIST: Korea Advanced Institute of Science and Technology

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PaX-Reve3D _ The premium for professional functionality & technology

**Free FOV**

PaX-Reve3D is the first dental CT which realizes the Free FOV function. It offers various FOV from 5x5 to 15x15. These various FOV extend the areas of diagnosis. Within this range, you can freely select the region of interest and size the FOV accordingly based on the need or purpose of diagnosis. This revolutionary function improves the accuracy and efficiency of diagnosis. Furthermore, PaX-Reve3D considers the convenience of users by defining the typical default values from small to large - 5x5cm, 8x6cm, 12x8cm and 15x15cm. There is also optional double scan mode for more extensive FOV size (15x15).

**The Smallest Voxel Size**

PaX-Reve3D offers the extended range (0.08 – 0.25mm) voxel size. You can efficiently select voxel sizes based on the FOV size. These flexible voxel sizes enhance the efficiency of the imaging process giving the freedom to take a diagnostic image of the area of interest. Also, the smallest voxel size (0.08mm) means the Reve3D provides extremely high definition images.

The state-of-the art technology for high-quality images

The most important concept of PaX-Reve3D is realizing “the best image quality.” Designed to improve the accuracy of diagnosis and quality of treatment, PaX-Reve3D’s unique image processing system raises the level of X-ray imaging.

**MAR Technology (Metal Artifact Remove Technology)**

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The Extremely Low X-ray Dosage

It is our philosophy to provide the optimized image quality using reduced X-ray dose. The pulsed type generator reduces radiation by 40~60%, providing improved patient care.

AMPT (Adaptive layer Mode Panoramic Tomography)

AMPT technology can select the optimized image automatically. Area sensor can take multiple images without concerning mal-positioning and untypical patient arch. Even if it cannot be used for the diagnosis, AMPT can be revised automatically.

Comparison of images with incorrect patient positioning (AMPT)

Incorrect positioning  AMPT Solution  Incorrect positioning  AMPT Solution
Caring Insight _ VATECH

PaX-Reve3D _ The most advanced cephalometric system

One Shot Cephalometric System

Exposure time : 0.3 seconds
- No image distortion / No motion artifact with reduced x-ray exposure time

Reduced X-ray exposure dose
- Significant reduction of X-ray exposure dose

High sensitivity
- New area sensor offers twice as much sensitivity than film sensors.
- This enables orthodontic specialists to have the very best images, never seen before.

FPXD for Orthodontic Specialists

- Flat Panel X-ray Detector (FPXD) co-developed by VATECH & SAMSUNG Electronics
- FPD is the ideal combination of VATECH’s X-ray detector technology and SAMSUNG’s TFT technology

Cephalometric Area Sensor
Panel area : 11.04”(H) X 13.38”(V)
(2880 Data line X 2560 Gate line)

FPXD for Orthodontic Specialists

Fantastic Image Quality

Posterior-anterior  Lateral view  Carpus view  SMV view

↑ ONE SHOT CEPHALOMETRIC
The one-shot Ceph of Reve3D has a button for adjusting the height of the column so that patients can be positioned quickly and easily.
THE PREMIUM FOR PROFESSIONALS - EXCEPTIONAL DESIGN & SPECIAL FEATURES

Camera & Voice Communication
With the integrated camera and voice system, Reve3D enables visual monitoring and voice communication between patient and staff. In particular, you can check the position of the patient again before scanning via the integrated camera so that more accurate scanning can be performed.

Touch Panel LCD
With the touch panel LCD panel, you can easily operate various parameters for capture. You can also ensure the correct positioning of the patient.

Accessories Box
PaX-Reve3D has enough space to store the patients jewelry, glasses etc. without loss or damage.

Automatic Adjustment of Column Height
PaX-Reve3D automatically adjusts the column’s height based on information on the patient’s records, thus shortening the time required to prepare for scanning.

Perfect Wheel-chair Accessibility
With a base design allowing access for wheel-chair’s, PaX-Reve3D increases the accessibility of wheel-chair users providing easy patient positioning.
The premium for professionals... High quality images

With an FOV of 5x5 cm, you can minimize the exposure dose of the patient and obtain a detailed image of the area you want in a very short time.

With an FOV of 8x6 cm, you can obtain information over the whole arch. Also, you can select the area you want through the various capture mode: Upper & Lower jaw, TMJ, occlusion. The flexible capture mode also contributes to reducing patient dose.
With an FOV of 12X8cm, the status of the entire dental arch is determined in just one scan for implant surgery. More accurate and safer placement of implants can be achieved by obtaining anatomical information on the inside of the maxillary sinus.

With an FOV of 15X15cm, you can obtain detailed anatomical information of the maxillofacial image including both TMJ and sinus with just one scan.
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.

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.

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:Ez3D 2009  _  Easy to Professional

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Precise Diagnosis

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

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
The revolutionary 3D dental imaging
PaX-Reve3D
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.