



FORERMED



CONTACT US

HENAN FOREVER MEDICAL CO.,LTD.
Room 806, Floor 8, Wanda Center, Jinshui District, Zhengzhou, Henan Province, China
Contact: hailey
FAX: 86-371-61315853
Email: hailey@yjcompany.com
Whatsapp/TEL.: 0086-15637181685
Web: www.forearmedchina.com www.forearmedical-yj.com



Parallel Imaging and Reconstruction for Oral X-rays



Across generation industrial design

World's first dual-source large-FOV dental CBCT.



16x15cm non-fusion large field of view

Various field of view options
16X15cm, 16x9cm, 8x8cm.



3D Three-in-one imaging

Simultaneous acquisition of CBCT, 3D panoramic and 3d frontal and lateral cephalograms with a single scan, no need for multiple positionings.



28lp/cm High-definition imaging

Full range of correction algorithms for beam hardening, metal, scatter, cone-beam and other imaging artifacts.



2.6s Fast imaging

Large field of view reconstruction time for only 2.6s.



Low dose

Comprehensive reduction of radiation dose by about 75%.



125kV

Tube voltage of up to 125kV which further enhances imaging quality.



Continuous scanning

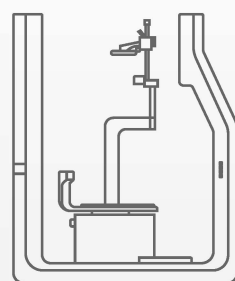
Cutting-edge PCM cooling technology, enabling continuous operation of CBCT with no worries of heat dissipation.

Out- Standing Quality

Cross-generational industrial design Uncompressed design that takes into account the sense of technology and comfort

Smaller size

Height as low as 1.7m
Only 1.3m in diameter



ORIGINAL TECHNOLOGY

Open-top design

Greatly reduce the claustrophobia and oppression of the patient, and also reduce the space occupied by the equipment.

Efficient avant-garde jaw rest

Guaranteed quick and easy positioning of the patient, excellent ergonomics.

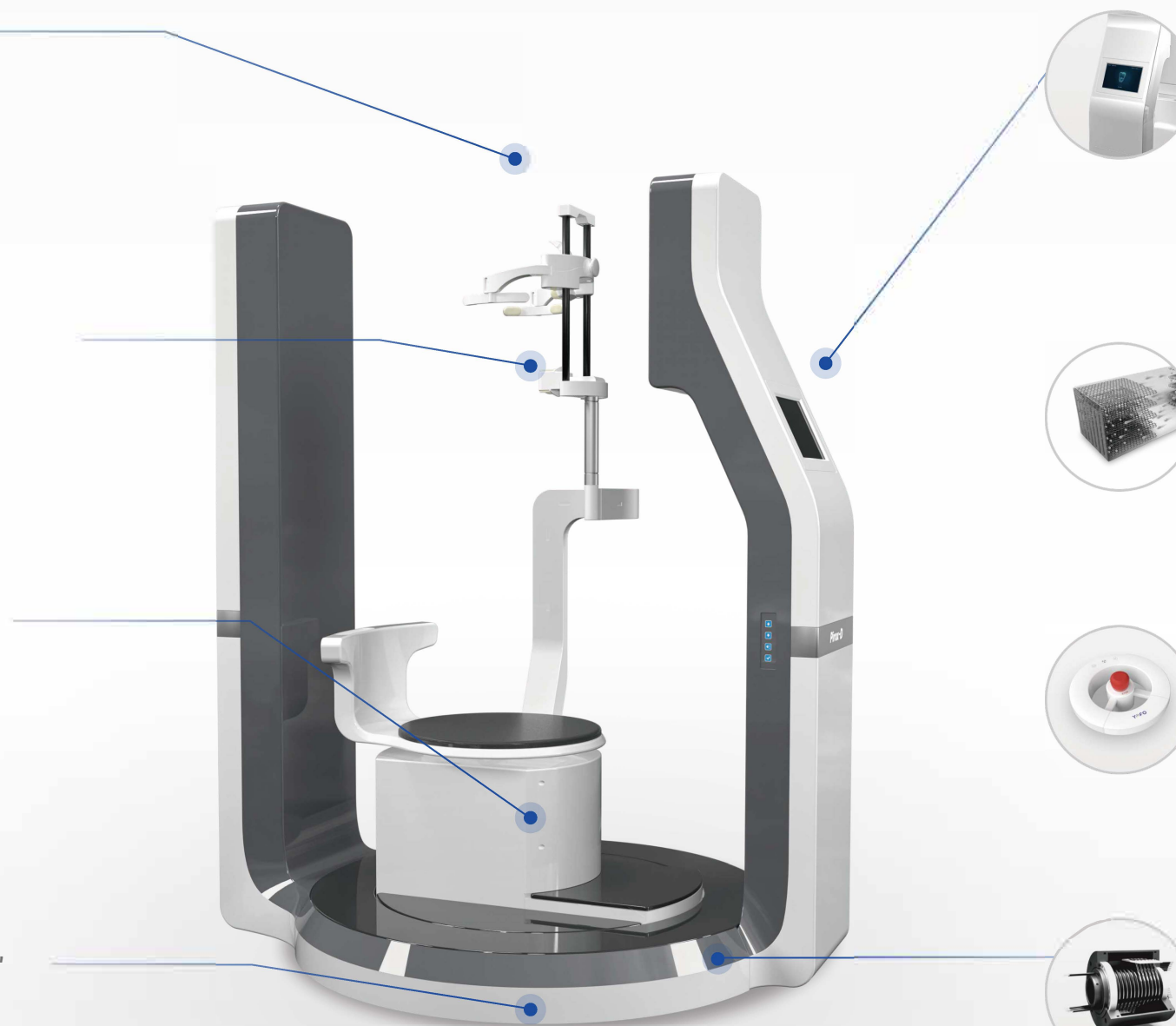
Stable seated positioning

The stable electric seat is more convenient for children and elderly patients, reducing the possibility of re-irradiation due to shaking.

ORIGINAL TECHNOLOGY

Floor-standing swivel stand

The landing mechanical movement is more stable, making the imaging accuracy doubled.



Touch screen operation panel

Easier and more intuitive machine operation and patient positioning.

Phase-change-material-based cooling system

Make the equipment work continuously with no stop for heat dissipation.

ORIGINAL TECHNOLOGY

Wireless hand switch

Personalized design, easy operation, durable, more comfortable and safer.

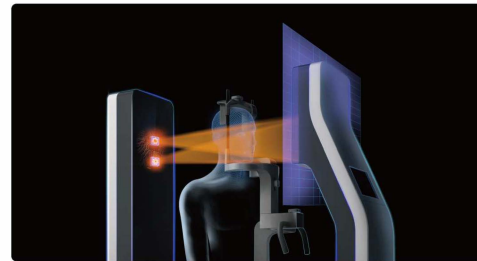
ORIGINAL TECHNOLOGY

Slip-ring data transmission

Scanning without homing reduces waiting time by 80%.

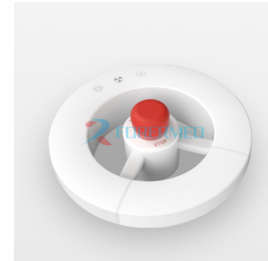
Technology and Innovation

Industrial Design



Dual-source parallel-imaging technology

Improved ray distribution, lower radiation dose, and single-circle scanning to generate three-in-one images.



Wireless hand switch

Brand new human-computer interaction equipment, durable, and safer.



Efficient jaw rest

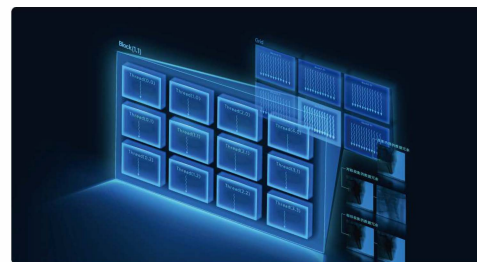
Excellent ergonomics, more comfortable and avant-garde jaw rest and head clip ensure quick and easy patient positioning.



Slip ring data transmission

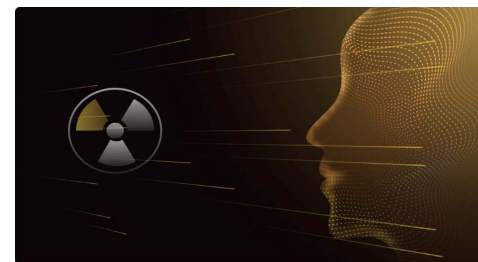
The revolutionary floor-standing rotating mechanical structure adopts slip-ring data transmission, no homing is required, and the waiting time is reduced by 80%.

Powerful Algorithms



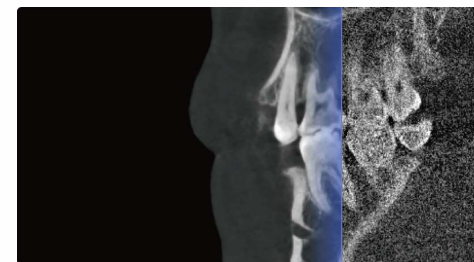
HD low redundancy reconstruction algorithm

Make full use of the redundancy of scanning geometry, and greatly improve the quality and efficiency of image reconstruction through GPU parallel computing.



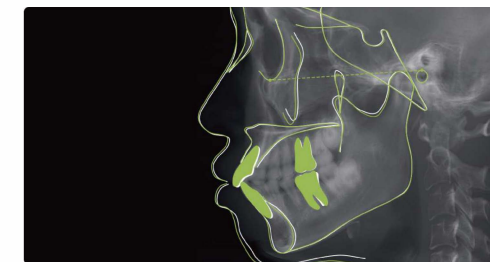
Low dose imaging algorithms

Through statistical optimization and iterative reconstruction, the comprehensive radiation dose is reduced by about 75%, and the safety of patients and medical staff is protected to the greatest extent.



Artifact correction algorithms

State-of-the-art correction algorithms for scatter, beam-hardening, metal, and other image artifacts, achieving high-precision imaging performances.



AI orthodontic feature-point extraction

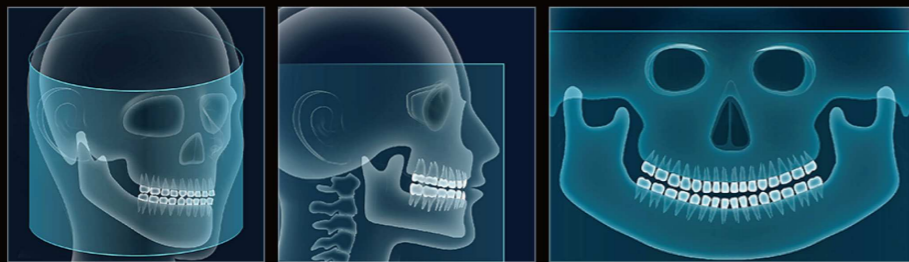
AI algorithms automatically extract feature points for easier and more accurate orthodontic diagnosis and treatment.

Product Features

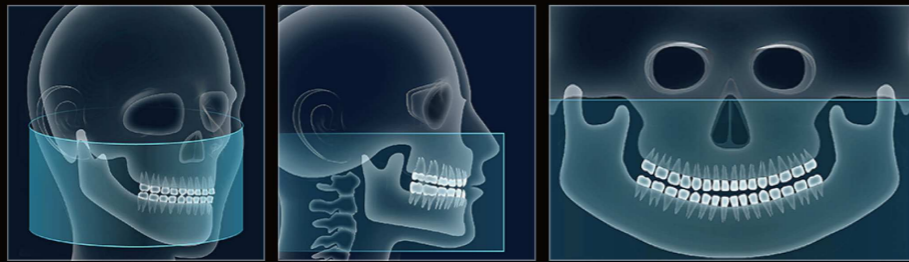
Non-fusion large field of view imaging

Field of view up to 16cm (diameter) x 15cm (height), with additional imaging modes of 16x9cm and 8x8cm.

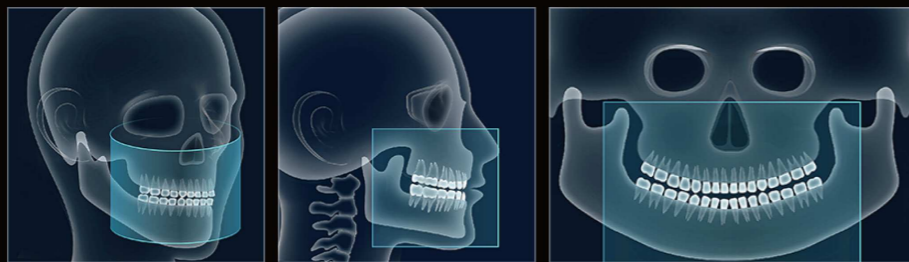
16x15cm



16x9cm



8x8cm

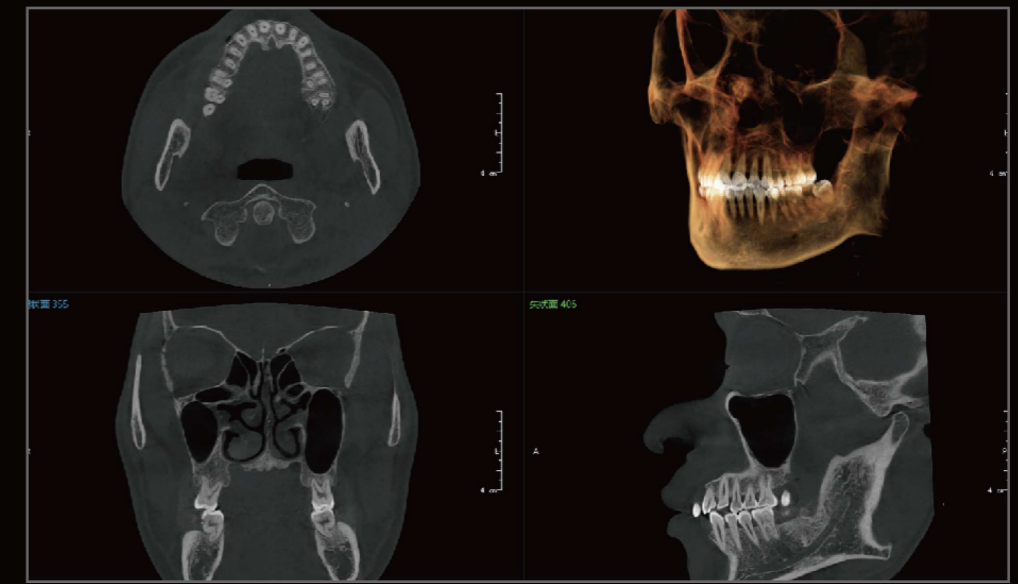


Fully-automatic three-in-one 3D imaging

Simultaneous acquisition of CBCT, panoramic and frontal and lateral cephalograms with a single scan.

Automatic calibration of frontal and lateral cephalograms and panoramic images without the need for multiple positionings.

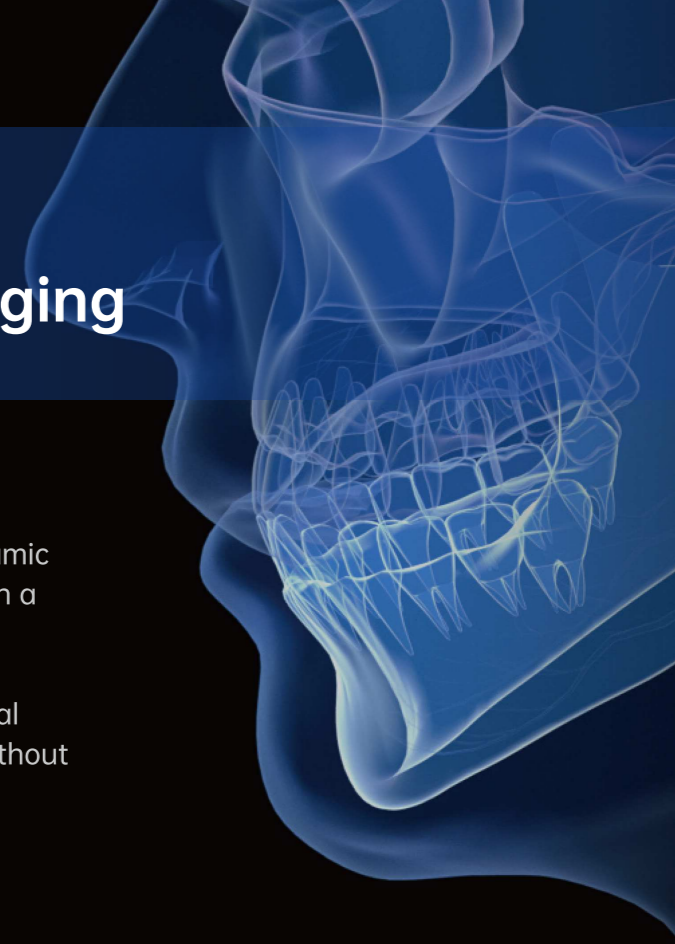
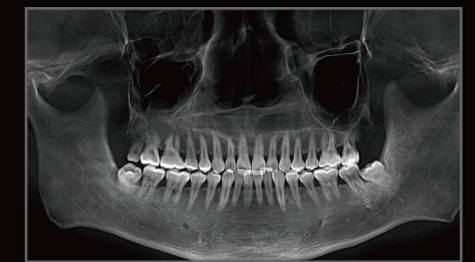
CBCT



Lateral cephalogram



Panoramic image



State-of-the-art Algorithms

Full range of algorithms for high definition imaging and artifact correction

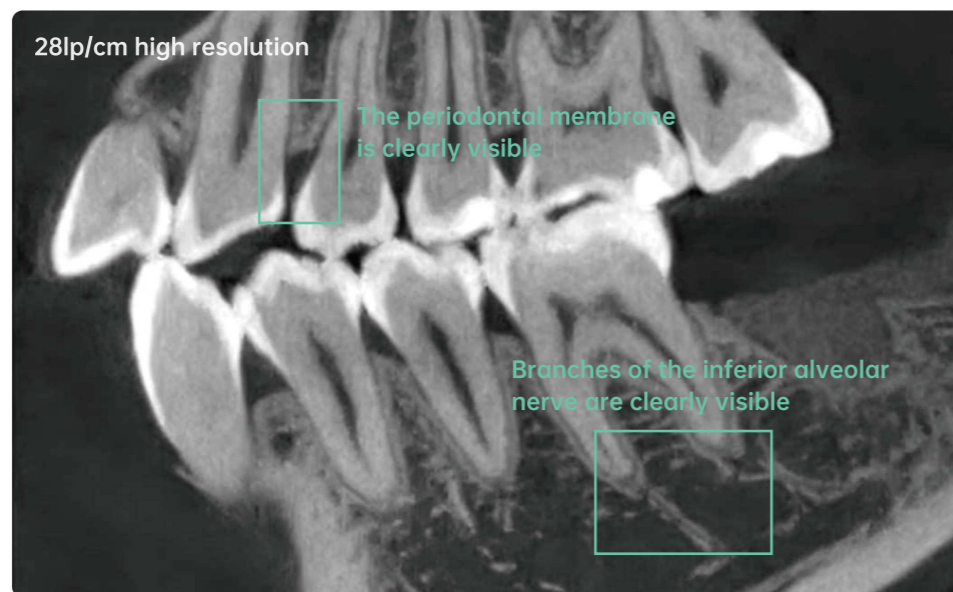
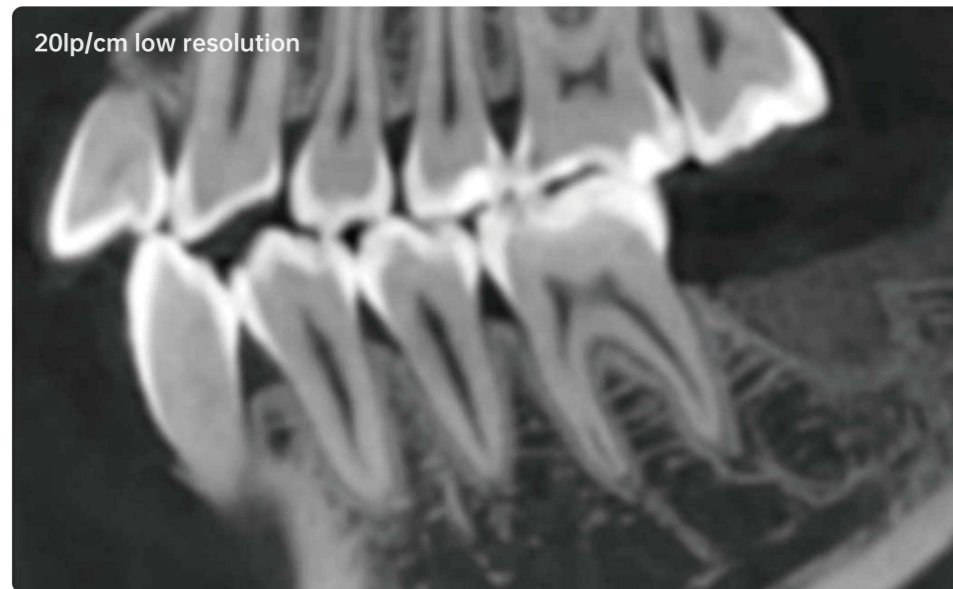
High-definition imaging

28lp/cm

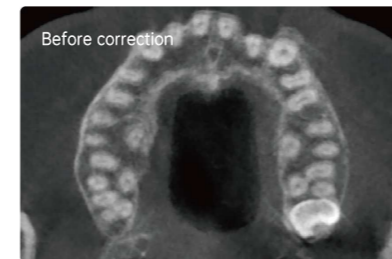
Spatial resolution

2.6s

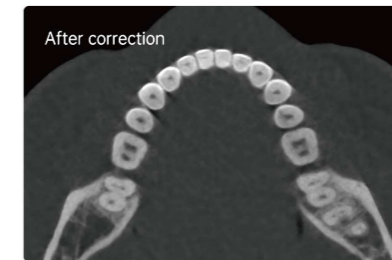
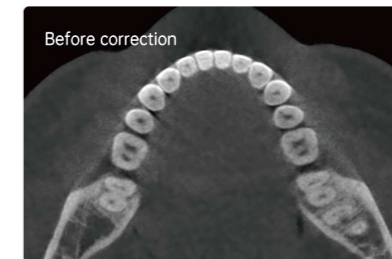
Large-FOV CBCT reconstruction time



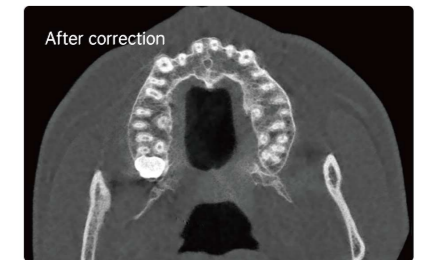
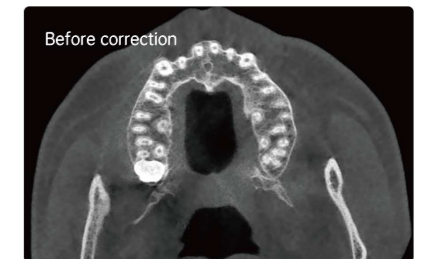
Artifact Correction



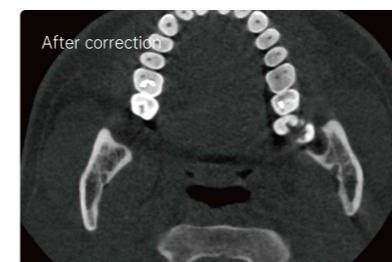
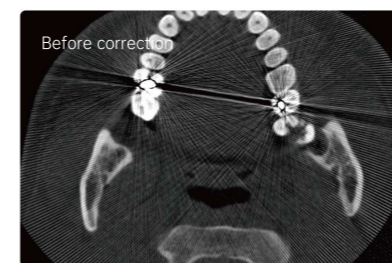
Geometric correction



Beam-hardening correction



Scatter correction



Metal artifact correction



Low-dose noise reduction

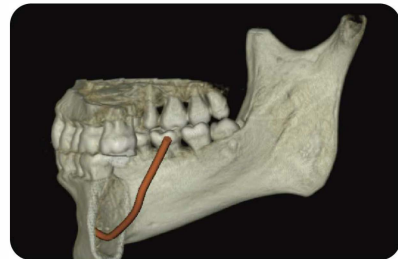


Cone-beam artifact correction

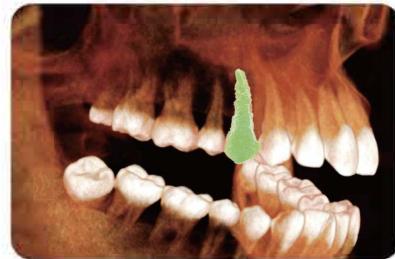
Professional CT Image Processing Software

The professional CT image processing software Dubhewer and orthodontic software Autodon, contain a number of intelligent image processing functions to simplify doctors' operations and greatly improve the efficiency and quality of diagnosis and treatment.

AI Image Processing



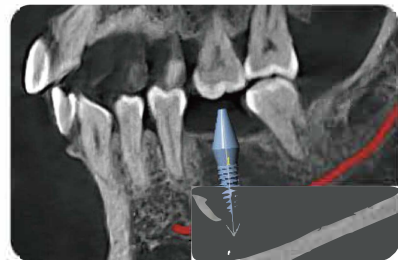
3D segmentation



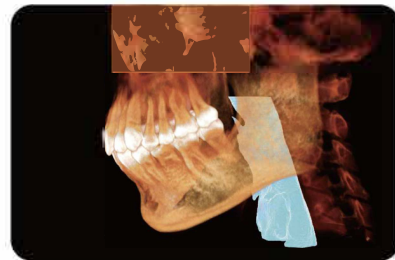
Single-tooth segmentation



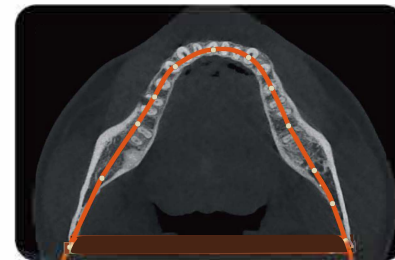
Automatic labeling of dental nerves



Virtual dental implant

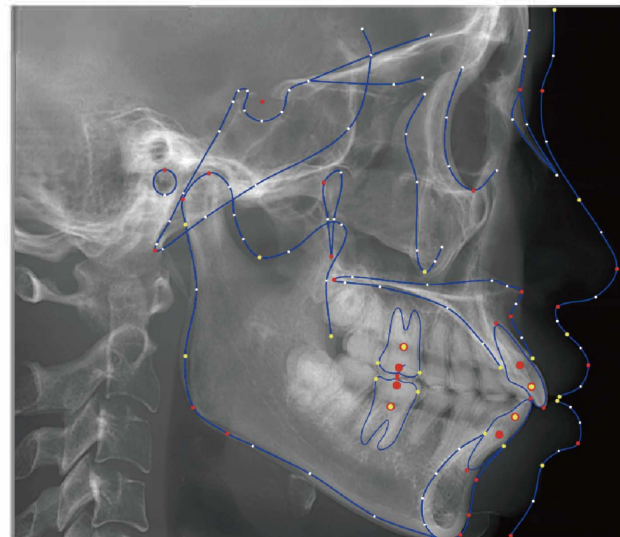


Airway analysis

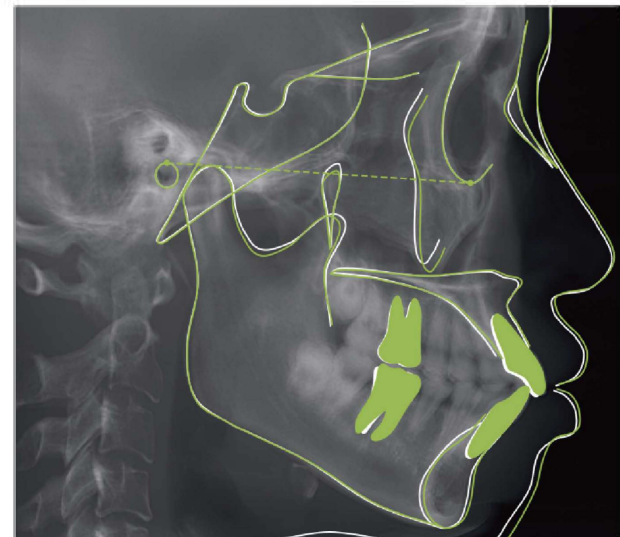


Automatic calculation of dental arch curves

AI Orthodontics



AI orthodontics



Overlapping comparison

Product Parameters



Scanning Mode

Imaging field of view 16x15cm / 16x9cm / 8x8cm
Imaging mode Automatic 3D three-in-one imaging



Imaging Parameters

Grey scale 16bit
Highest resolution 28lp/cm
Voxel size 0.125~0.25mm
Scanning time 10~40s
Fast imaging 2.6s



Source

Tube voltage 80~125kV
Tube current 2~8mA
Focal-spot size 0.5mm



Sensor

Sensor type Amorphous silicon



Size

Physical size 1360x1068x1676mm

Medical Mobile CBCT Van

Van equipped with Pirox dental CBCT system to provide an efficient solution for professional healthcare.



About Van

Stable performance

An automatic leveling system allows CBCT scan anytime without recalibration.

Small vehicle volume

The mobile CBCT van provides the adaptability to work at various locations, help to connect with rural and urban communities, as well as go the extra mile to provide adequate oral healthcare.

Complete radiation shielding

Radiation protection is fully equipped and tested to ensure radiation safety.

Hardware facilities

Fresh air system and four-way monitoring are equipped.



Advantages of Pirox dental CBCT on the van

Large field of view imaging

16×15cm large field of view imaging with high spatial resolution up to 28lp/cm. Vascular nerves and small lesions are clearly visible.

Instant AI medical report

A preliminary AI medical report can be issued after scan, which promotes doctor-patient communication and improves the rate of orders.

Fast and three-in-one imaging

Simultaneous acquisition of CBCT, panoramic and cephalogram images with one single scan, which greatly improves patient comfort.

LanTek cloud system

Cloud storage and 5G fast transmission. Enable clinics to perform remote diagnosis and treatment.