

Precision & Vision



NEW ORIENTAL 1000FC

Radiographic X-ray Machine

*Fully Automatic
Ceiling Suspension System*



WDM 万东





Address: Building 3 No.9 Jiuxianqiaodong Road,
Chaoyang District, 100015, Beijing, P.R.China
Tel: +86-10-84575792/3/5/6
Fax: +86-10-84575794
Web: www.wandong.com.cn
E-mail: International@wandong.com.cn

Note: Design and specification subject to change without notice.

WDM 万东

Intelligent DR Precise Imaging

Breakthrough in core technology, innovation in imaging and intelligence. New Oriental 1000FC fully automatic ceiling suspended DR, combines with 100 μ m FPD and ten-axis intelligent moving control to achieve fast and high-definition imaging. The small lesions can be detected early that meets high-end imaging requirement of accurate diagnosis.

-  100 μ m Imaging technology | Insight into details
-  80kW High power | Reliable output
-  10-axis Coordinated moving and 6-way synchronized tracking | Intelligent control
-  Dual FPD | Efficient operation



High Definition Vision



100µm Imaging Technology



2.4/5G Dual-band wireless transmission



17" X17" Large FOV



75% DQE Low dose



100µm Pixel pitch



18 Million pixels



Improved experience for better clinical practices

100µm Imaging, finding Fine Details



Wireless Flat Panel, Flexible Positioning

WiFi transmission, flexible application. Built-in charging port in bucky, fast charging and long battery life.

Wireless Intelligent iAEC Function (optional)

Comprehensive self-adaptive exposure dose, accurate dose reduction. Improved image clarity by eliminating artifacts of ion chamber. Integrated design, consistent quality.

DAP Function

Real-time dose display of each exposure.

Line Noise Elimination Technology

The line noise is eliminated while no image detail loss, keeping high edge resolution with no extra artifact generated.

Intelligent Communication Technology

Patent technology to improve transmission stability under complex electromagnetic environment.

Removable oscillating Grid

Grid can be removed without using tool, to meet the low dose needs of pediatric application and thick body radiography. Oscillating grid to efficiently eliminate scattered radiation without grid shadow artifact.

Intelligent Control



Ten-axis Coordinated Moving Intelligent Automatic Structure



6-way synchronized tracking

Chest Bucky Tracking



SID Hold



Table Bucky Tracking



Cross rail ceiling suspension



10-axis coordinated moving



Table elevation

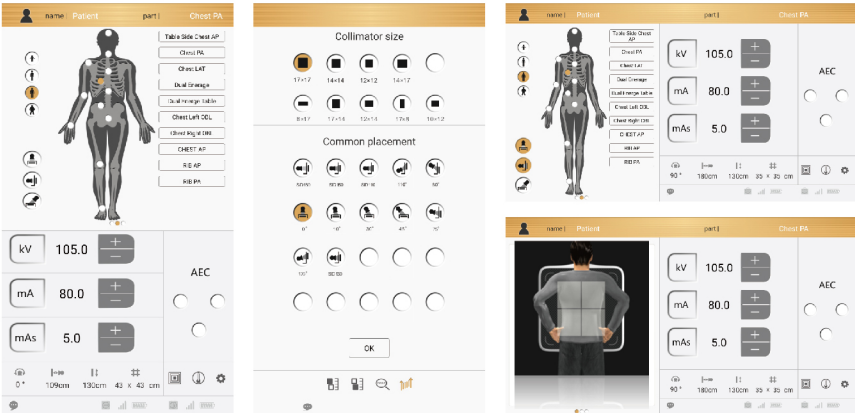


4-way floating



Efficient Process

Intelligent One Touch Automatic Positioning



- Patient information
- APR
- Exposure data
- Positioning tutorials
- Image preview
- Safety warning
- Portrait/Landscape adaptive display

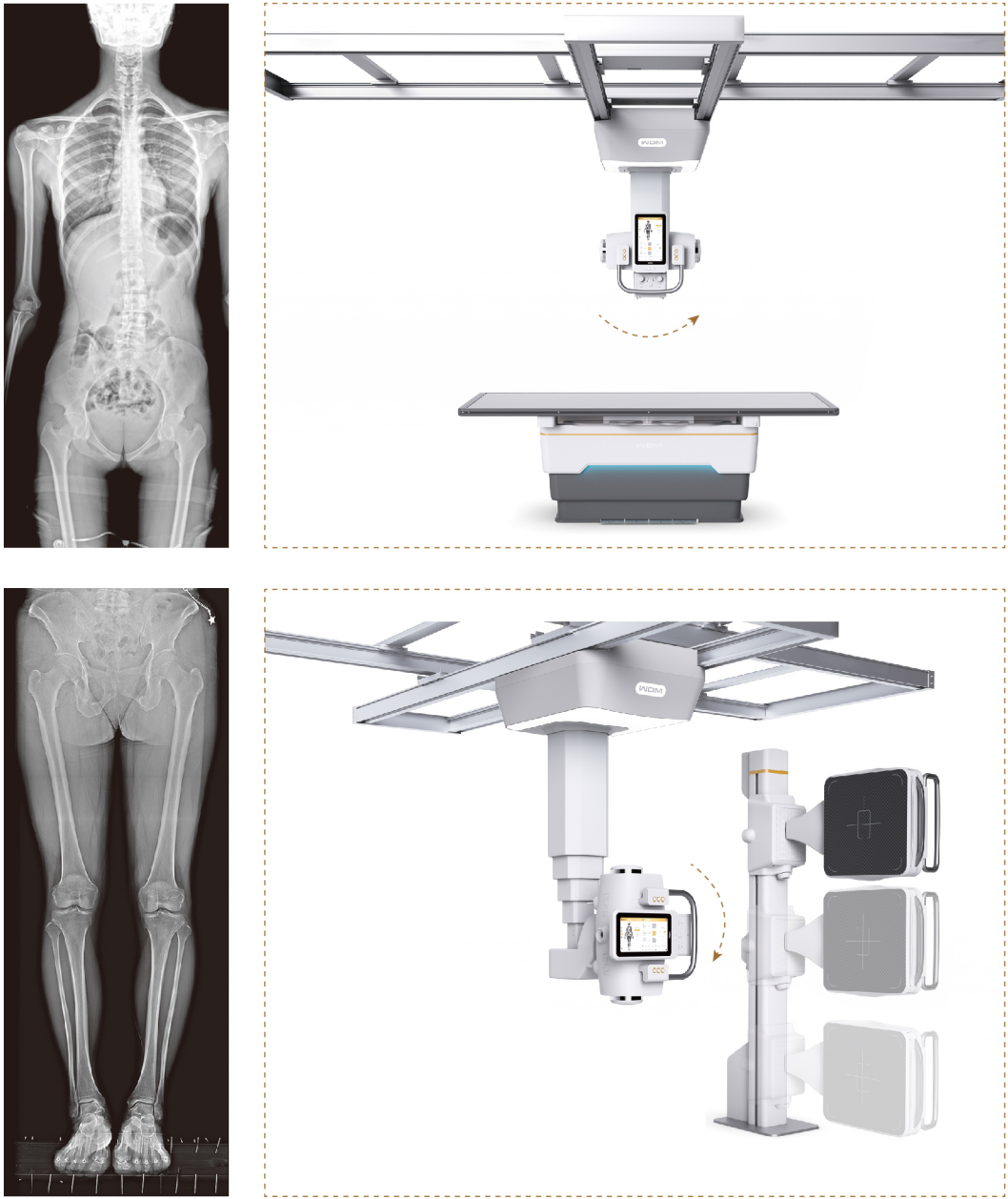
Dual Wi-fi Detectors, Portable Convenience

Dual FPDs application in different clinical scenes enables less handling of the panels, simplifies workflow and improves efficiency.



Intelligent One-key Automatic Stitching (optional)

Stitching program with no shifting of X-ray tube focus effectively improves success rate. Minimized overlapping makes the stitching length longer under the same number of exposure. AEC and histogram equalization algorithm are applied to acquire series of images at unified brightness and contrast levels.



Intelligent Diagnosis SmartView (optional)

The integrated AI technology assists doctors to rapidly diagnose determined diseases which improves workflow and reduces misdiagnosis rate.

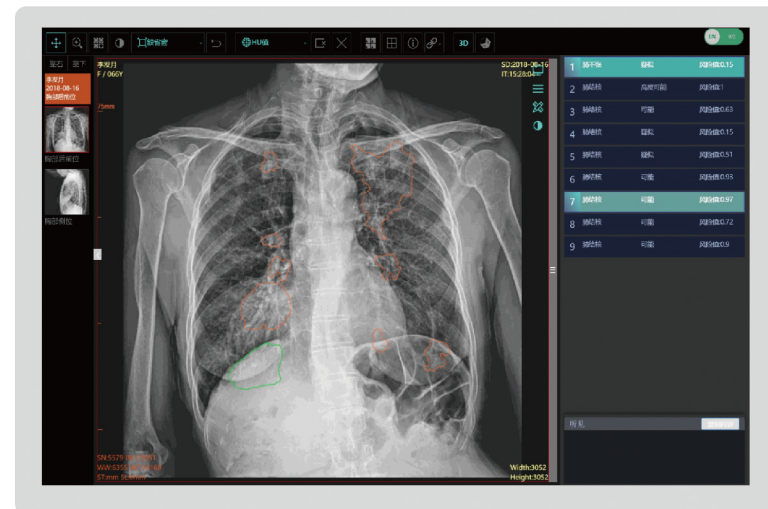
Intelligent Bone Suppression

The system automatically generates bone suppression images to facilitate lung tissue diagnosis by reducing the effect of skeletal overlap.



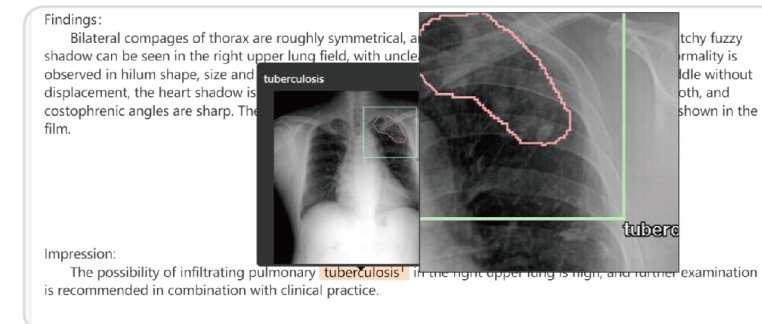
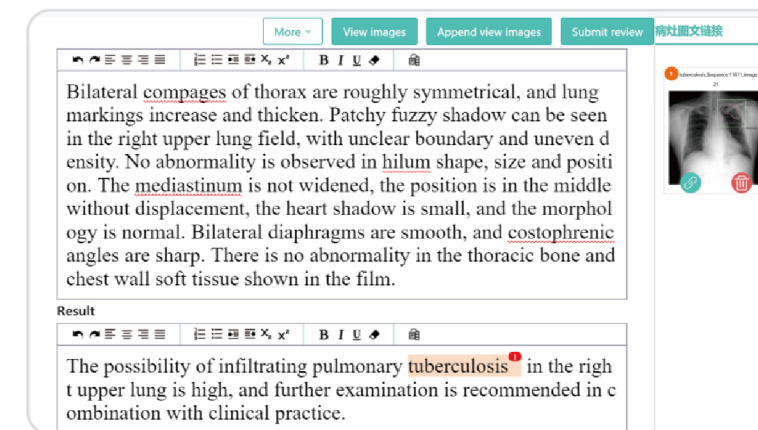
AI Assist Diagnostic Function for lung disease

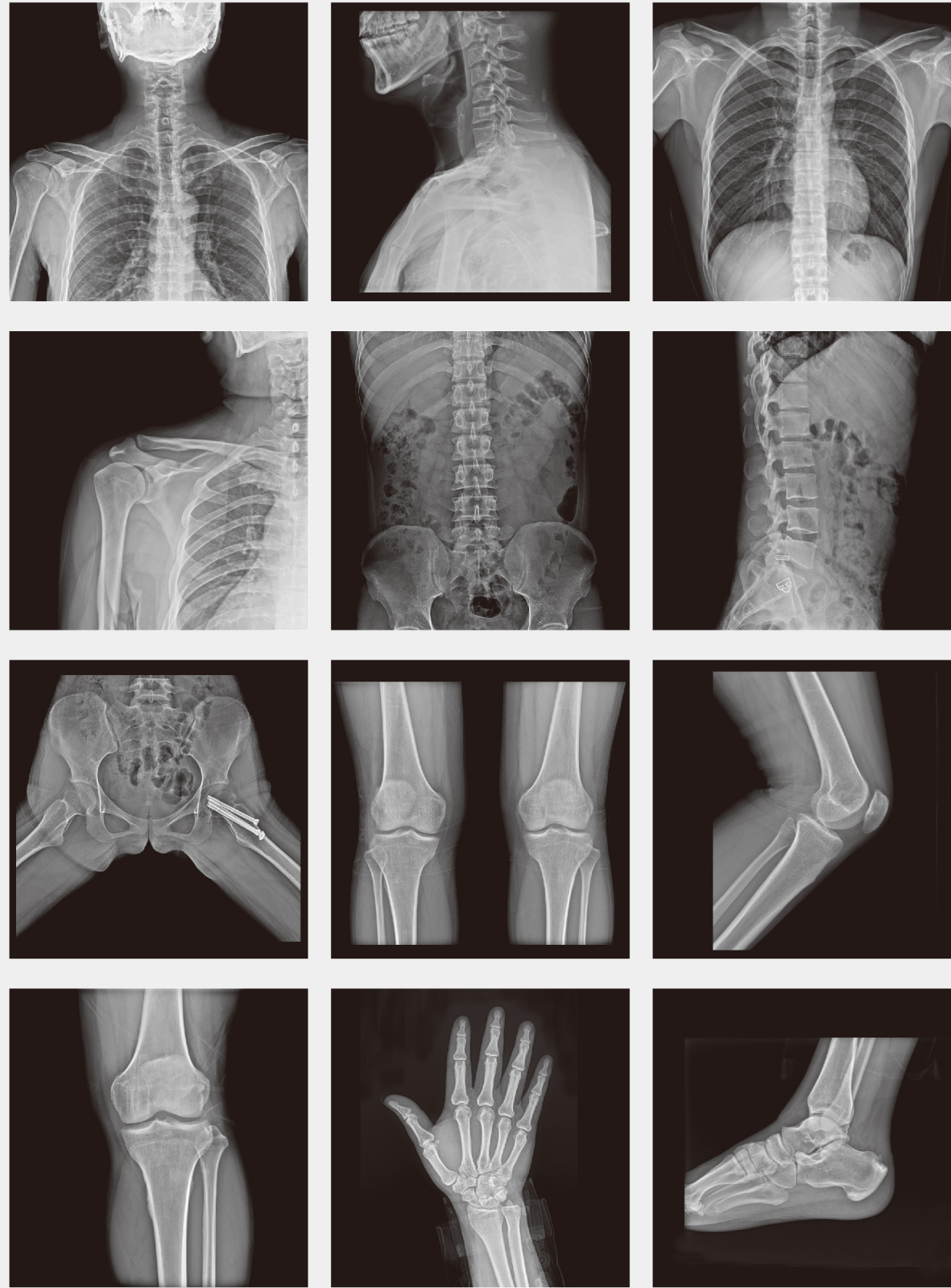
Similar to the face recognition technology, the original lung image is extracted from the raw image. After 121 layer convolution neural network CheXNet analysis, the detection of tuberculosis, pneumothorax, atelectasis, pneumonia, pleural effusion and other diseases in chest image can be detected. The intelligent engine automatically outlines the focus area of chest image.



ROI (Region Of Interest) Function

'ROI' can be used to make diagnostic location and description more clearly, either for clinicians or patients. It will be applied for report writing stage, just by click the statement and target relevant images. This function will lead the accuracy of image analysis effectively.





Global service caring for you



Professional team

Wandong imaging products has been installed in over 90 countries, more than 100 distributors and authorized service partners are ready to provide professional service.



Regular maintenance

Regular maintenance by experienced and qualified engineers, guarantees the stable operation, prevents major failures, and extends the equipment life.



24hours online support

Quick response and remote technical support, on-line trouble shooting, spare parts inventory and quick delivery.



Free software upgrade

Fully self-developed acquisition platform, free lifetime software upgrade, always providing you the excellent experience.