

**China Resources Wandong Medical Equipment Co., Ltd.**

**New Oriental 1000 Digital Radiography System**



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## WDM: A successful journey of more than 61 years

China Resources Wandong Medical Equipment Co., Ltd. (Wandong, previously Beijing Wandong Medical Equipment Co., Ltd.) was established in 1955, and has been listed on the Shanghai Stock Exchange since 1997. Headquartering in High-Tech industrial park in Beijing, Wandong occupies an area of more than 100,000 square meters as its modern production base and R&D center, and has 30+ branches in China and a wide sales and service network in about 70 countries all over the world. With the 60 years' dedication to the medical imaging, Wandong has made brand name of "WDM", a well-known brand in the world.



As one of the largest radiology imaging equipment manufacturers in the world, Wandong has wide range of product lines including General Radiography, Mobile X-ray & C-arm, Digital Radiography (DR), Digital Fluoroscopy (DRF), Digital Mammography, Cath-Lab, Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) machine, and the annual production capability is more than 6,000 units.



### *Our R&D history in DR products:*

- 1999 *DRC-FPD DR for Chest examination*
- 2000 *Released the FIRST unit of multi-function DR system, NEW ORIENTAL 1000*
- 2003 *Passed ISO9001 and ISO13485 certificate*
- 2004 *Installed the FIRST DR in Overseas*
- 2005 *NEW ORIENTAL 1000 passed CE certificate*
- 2009 *Released WDM CCD detector*
- 2010 *Released U-arm CCD/FPD-DR*
- 2012 *Released full-body motorized ceiling suspending DR*
- 2013 *Released WDM FPD detector WDF 4343R*
- 2015 *WDM portable FPD WDF 4343RP and WDF 4343RW launched*
- Today *Full series of New Oriental 1000 satisfying different customer demands*

### **WDM DR Solution Deserves Your Trust**

**NEW ORIENTAL 1000 Universal FPD DR** is a combination of digital flat panel imaging and classical radiographic mechanical structure. The system fits for most common clinical applications of Radiography in both vertical and horizontal projections, as well as chest examinations, greatly enhance patient throughput

Absolutely, your filmless workflow will be more convenient and faster than conventional radiographic process. Patients also benefit from low radiation and smooth-running procedures. In addition, the administration of your medical facility will appreciate **NEW ORIENTAL 1000's** streamlines cost-effective processes and high quality results.

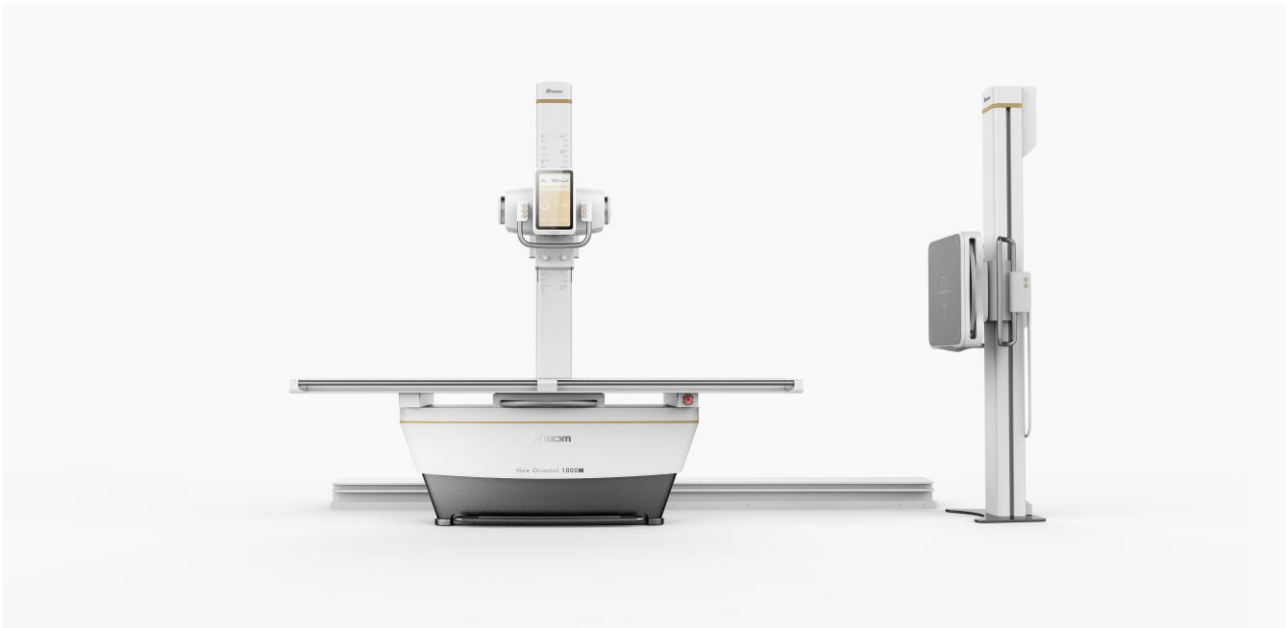
**NEW ORIENTAL 1000** is fully DICOM 3.0 compliance that means you can benefit from all relevant DICOM services, including DICOM worklist, image storage, transferring, printing and other applications that will significantly improve your workflow.

### High resolution a-Si FPD detector ensures high image quality

a-Si FPD detector technology marks the top level of X-ray imaging technology. The supreme detective quantum efficiency (DQE) of the detector enables more image details to be revealed with lower dose. The resolution of 9.2 Mega pixels makes the image produced perfect. Diagnostic procedure is greatly facilitated by the ideal size of the detector (17" x 17"), patient positioning is considerably simplified.

### Classical Mechanical Structure

Combination of floating radiographic table, tube stand and vertical bucky stand is the most popular and practical configuration of a radiography room. New Oriental 1000 provides RAD room with full convenience of digital imaging as well as easy operation.



### Our confidence in DR business:

#### 1. No.1 DR supplier of Chinese market share

Total installations more than 6000 units since year 1999, New Installation in 2014 reaches 850 units, and 1200 units in 2015.

#### 2. Strong R&D capability to guarantee performance and service at reasonable cost

Core technology of WANDONG – the whole imaging chain including generator, mechanical structure, detectors and software.

Flexible compositions for different customer demands (FPD/CCD detector, 50kW/80kW generator, Ceiling suspending/U-arm/Universal structure)

#### 3. International Quality Standard and after-sales support

All DR models are CE certified.

Professional and experienced in international pre-installation, installation, training & service.

Reasonable maintenance cost, hardware & software upgrading service and 10 years spare parts guarantee.



### **Advanced InvaRay Digital Acquisition and processing system**

Based on our InvaRay Digital Imaging Platform, **NEW ORIENTAL 1000** has integrated several WDM-patented new technologies. Not only the image quality is improved, a series of innovative functions are also provided to our customers.

- **Multi-Spectrum Processing Technique (MPT)**

MPT function can categorize the image signals into different channels according to their distinctive features. Signals in each channel are calibrated and adjusted based on respective features and different applications, retaining more details and information of images.

- **Auto Shutter**

Auto Shutter is a type of electronic shutter, which helps to optimize the visual effect by removing the blank area of the image, thus the ROI is most prominent. Meanwhile, InvaRay helps radiologists with a comprehensive library of post-processing.

- **Auto APR**

The up-to-date Auto APR function can automatically set up parameters for examinations of different parts of the body and different positions. It can also automatically choose appropriate post-processing methods to optimize and characterize the image quality. The whole work can be completed as the press of the hand switch with optimal image output.

- **Digital- Correlative**

The novel digital correlative algorithm enables accurate image stitching applied for full spine and full leg imaging.

- **One-button Acquisition**

NEW ORIENTAL 1000 DR is DICOM Worklist fully compliant. Patient information is able to be retrieved from HIS/RIS system, and the exposure parameters and projection position will be selected automatically according to the pre-registered information. Meanwhile, personalized settings will be provided to acquire images that are better adapted to the observation habit of individual surgeons. Doctor will be relieved from complex pre-surgery setups.

### **A Trustable Supplier for Long Term Cooperation**

With 60 years dedication in radiology imaging industry, Wandong offers not only an equipment but also an overall service and digital solutions to each of our customers, covering pre-sales technical support, delivery, installation, training, maintenance and service and sustainable upgrade. WANDONG's growth appreciates for millions of customers' trust.