MEDICA
MEDICAL

Digital Radiography Systems

Company profile and product catalogue — HP50DR floor-mounted DR system, manufactured in Yinchuan, China for hospitals across Africa and the Middle East.

EDITION 2026



MEDICA MEDICAL DEVICES (NINGXIA) CO., LTD.

01 · WHO WE ARE

A licensed X-ray manufacturer built around export markets

MEDICA MEDICAL DEVICES (NINGXIA) CO., LTD. manufactures diagnostic X-ray equipment in Yinchuan, in the Ningxia Hui Autonomous Region of China. The company was formed in 2025 by a team that had already spent years supplying imaging equipment, detectors and X-ray film to hospitals in Africa and the Middle East — and decided to build the machines rather than resell them.

That history decides how the factory works. Every system is configured for the site it is going to: the electrical supply it will actually run on, the detector the hospital can service locally, the language on the console, and the documentation the importing ministry of health will ask for.

REGISTERED NAME **MEDICA MEDICAL DEVICES (NINGXIA) CO., LTD.** **美迪卡医疗器械（宁夏）有限公司**	UNIFIED SOCIAL CREDIT CODE **91640000MAEC5FC83X**
ESTABLISHED **21 February 2025**	REGISTERED CAPITAL **USD 500,000**
COMPANY TYPE **Limited liability company, foreign-invested**	LEGAL REPRESENTATIVE **Ali Gadallah Hassan Abdalla**
PLANT & HEAD OFFICE **Yinchuan, Ningxia Hui Autonomous Region, China**	
LICENSED SCOPE **Class II and Class III medical device manufacturing; Class III device leasing; Class II device sales; import & export**	

02 · POSITION

What a hospital gets from buying at the factory

Manufacturer, not a trader

The system is built in our own licensed facility in Yinchuan, so specification changes, spare parts and service answers come from the people who assemble the machine.

Licensed for Class II and Class III

Our production licence covers both classes, which is what a hospital tender committee looks for before it accepts an imaging supplier.

Built for hard working conditions

50 kW of output, high kV and high mA give short exposures and strong penetration — the combination that keeps throughput up in a busy emergency department.

Open to your PACS

DICOM 3.0, RIS/PACS and DICOM printer connectivity are standard, so the system joins the hospital network you already run.

Configured per order

Detector brand, tube brand, AEC chambers and console language are selected per project rather than fixed at the factory.

Africa and the Middle East are our markets

Our team works daily with hospitals and distributors across Africa and the Middle East, including documentation, shipping and customs paperwork.

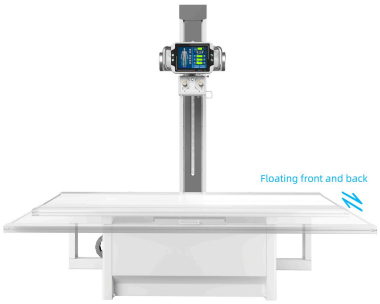
Supply programme. Current production is the HP50DR floor-mounted DR system. Through our group we also supply flat panel detectors, CR systems, X-ray film and imaging consumables, so a radiology department can be equipped and then kept running from one supplier.

03 · THE PRODUCT

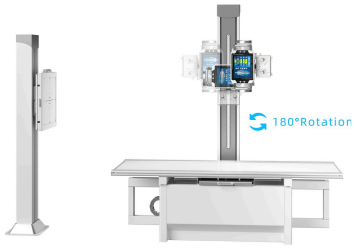
HP50DR — floor-mounted digital radiography system

A 50 kW high-frequency system with a four-way floating table, a vertical chest stand and a 17 × 17 inch caesium-iodide flat panel detector. It is built for general radiography in orthopaedics, emergency, inpatient and operating-room work — head, limbs, chest, spine and lumbar spine.

50 kW OUTPUT POWER	**150 kV** MAXIMUM TUBE VOLTAGE	**630 mA** MAXIMUM TUBE CURRENT
0.002 s SHORTEST EXPOSURE	**17×17″** CSI FLAT PANEL DETECTOR	**3072²** PIXEL MATRIX, 16 BIT



Four-way floating table
Front, back and lateral float with an infrared photoelectric release



180° tube rotation
Column rotates for trolley, chair and standing positions



Vertical chest stand
≥ 1200 mm travel, 18 × 18 inch bucky

04 · SPECIFICATION

HP50DR technical data

MAIN COMPONENT	PARAMETER	VALUE
X-ray Generator including console	Output power	**50 kW**
	Power supply	**380 V ±38 V**
	kV range	**40 – 150 kV**
	mA range	**10 – 630 mA**
	mAs range	**0.1 – 630 mAs**
	Exposure time	**0.002 – 6.3 s**
X-ray Tube Japan Canon optional	Small focus	**0.6**
	Large focus	**1.2**
	Anode speed	**3 000 r/min**
Collimator	Inherent filtration	**1.0 mm Al / 75 kV**
	Light source	**LED**
Radiographic Table	Table top size	**2100 × 800 × 650 mm**
	Bucky size	**18 × 18 inch**
	Longitudinal movement	**≥ 900 mm**
	Cassette movement distance	**≥ 500 mm**
Vertical Chest Stand	Vertical moving range	**≥ 1200 mm**
	Bucky size	**18 × 18 inch**
Flat Panel Detector wired · Korean brand optional	Size	**17 × 17 inch**
	Scintillator	**CsI**
	Pixel matrix	**3072 × 3072**
	Resolution	**3.6 lp/mm**
	A/D conversion	**16 bit**
Computer & Display	CPU	**≥ 2.8 GHz**
	Memory	**≥ 4 GB**
	Disk capacity	**≥ 1 TB**
	Medical LCD	**23 inch**

Specifications are subject to continuous improvement. Tube brand, detector brand, AEC ionisation chambers and console language are selected per order — confirm the final configuration on the quotation.

05 · FEATURES

How the system is built

High-frequency generator

- Analog–digital double-loop control — simple operation, high intelligence
- High kV, high mA, high power; strong penetration for obese patients
- AEC function with a choice of ionisation chambers
- Automatic calibration of tube current
- Fault self-diagnosis and protection
- Rich DR upgrade reserve interface

Tube, table and stand

- Filament dormancy function extends tube life
- Four-way floating table top with infrared photoelectric switch
- Table top 2100 × 800 mm; longitudinal travel ≥ 900 mm
- Vertical chest stand with ≥ 1200 mm travel
- Tube column with 180° rotation for free positioning
- LED collimator with 1.0 mm Al inherent filtration

Main components



X-ray tube assembly
Dual focus 0.6 / 1.2 · anode 3 000 r/min · Japan Canon optional



High-frequency generator
50 kW · 40–150 kV · 10–630 mA · 380 V supply



Flat panel detector
17 × 17 inch CsI · 3072 × 3072 · 16 bit · Korean brand optional



Tube head with LCD handle bar
Touch display at the tube for parameter setting at the patient side

06 · ACQUISITION

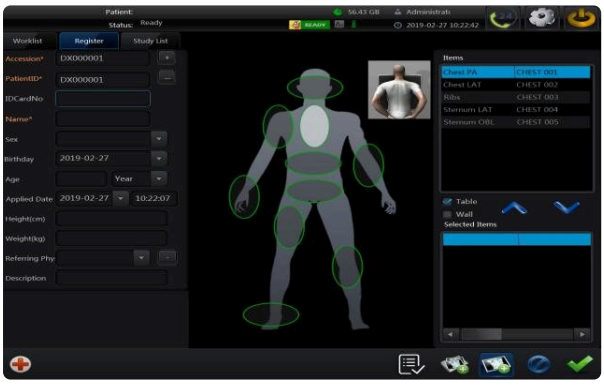
Acquisition software and DR workstation

Acquisition software

- Multi-language interface
- Anatomical programmes and professional measurement tools
- Works with different brands of X-ray generator
- RIS / PACS and DICOM printer connection
- Image capture, post-processing, print and storage
- Patient management and worklist

Workstation hardware

- Acquisition PC, CPU ≥ 2.8 GHz, memory ≥ 4 GB
- Storage ≥ 1 TB for local image archive
- 23 inch medical-grade LCD
- LCD console at the generator and a touch handle bar at the tube
- Fault self-diagnosis reported on screen







DR workstation
Acquisition PC, 23 inch medical LCD



LCD console
Programmed exposure techniques



LCD handle bar
Touch display at the tube

07 · APPLICATIONS

Image quality and clinical applications

The caesium-iodide detector and the 3072 × 3072 matrix give the bone detail and soft-tissue latitude general radiography depends on — from a paediatric chest to a lateral lumbar spine on a large patient.



Chest PA



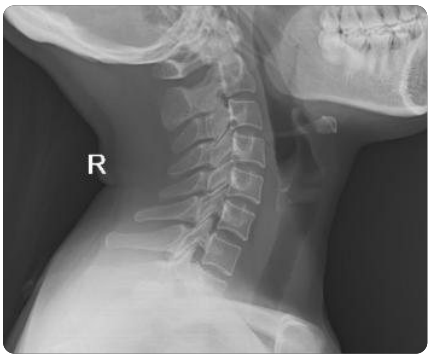
Pelvis AP



Lumbar spine lateral



Ankle lateral



Cervical spine lateral



Shoulder AP

Departments

- Orthopaedics
- Emergency room
- Operating room
- Outpatient and inpatient radiology

Examinations

- Head
- Chest
- Upper and lower limbs
- Spine and lumbar spine
- Pelvis and abdomen

Connectivity

- DICOM 3.0
- RIS / PACS worklist
- DICOM printer
- Local archive ≥ 1 TB

08 · ORDERING

Ordering, shipping and after-sales

ITEM	STANDARD TERMS
Model	HP50DR — floor-mounted digital radiography system
Electrical supply	380 V ±38 V, three phase, 50/60 Hz
Typical room	≥ 25 m², with radiation shielding to the local regulation
Packing	Export plywood cases, fumigation-free
Lead time	20 – 30 working days after receipt of deposit
Payment	30 % T/T deposit, balance against copy of B/L
Delivery terms	EXW Yinchuan · FOB Shanghai / Ningbo · CIF on request
Warranty	12 months from installation; tube warranty per tube manufacturer

Installation

Installation drawings and a room preparation checklist are issued with the order confirmation. Commissioning is supported remotely as standard; an engineer can travel to site on request.

Training

Operator training on positioning, exposure technique and the acquisition software, plus basic first-line maintenance for the hospital's biomedical team.

Spare parts

Detectors, tubes, collimators, boards and consumables are held for the installed base and shipped by air within 48 hours of a confirmed order.

Remote support

Software and workstation issues are handled by remote session with the hospital's engineer, in English or Arabic.

For a quotation we need the electrical supply at site, the room drawing or dimensions, the detector preference (wired or wireless), the number of systems and the destination port. A proforma invoice is issued within one working day.

MEDICA
MEDICAL

Talk to the factory

Send us the room drawing and the supply voltage and we will come back with a configuration, a price and a delivery date.

TELEPHONE / WHATSAPP

+86 195 1139 8787

E-MAIL

ali@medica-medical.com

WEBSITE

www.medica-medical.com

WECHAT

medica-ali

FACTORY & HEAD OFFICE

Room 110, Commercial Bldg. 55, Zone 5, Lianhu Garden, 88 Liupanshan Middle Road, Jinfeng District, Yinchuan, Ningxia, China

MEDICA MEDICAL DEVICES (NINGXIA) CO., LTD. · USCC 91640000MAEC5FC83X · YINCHUAN · NINGXIA · CHINA

MEDICA MEDICAL DEVICES (NINGXIA) CO., LTD.
美迪卡医疗器械（宁夏）有限公司
USCC 91640000MAEC5FC83X
Edition 2026 · specifications subject to change