PLD5100A Medical Diagnostic X-ray System
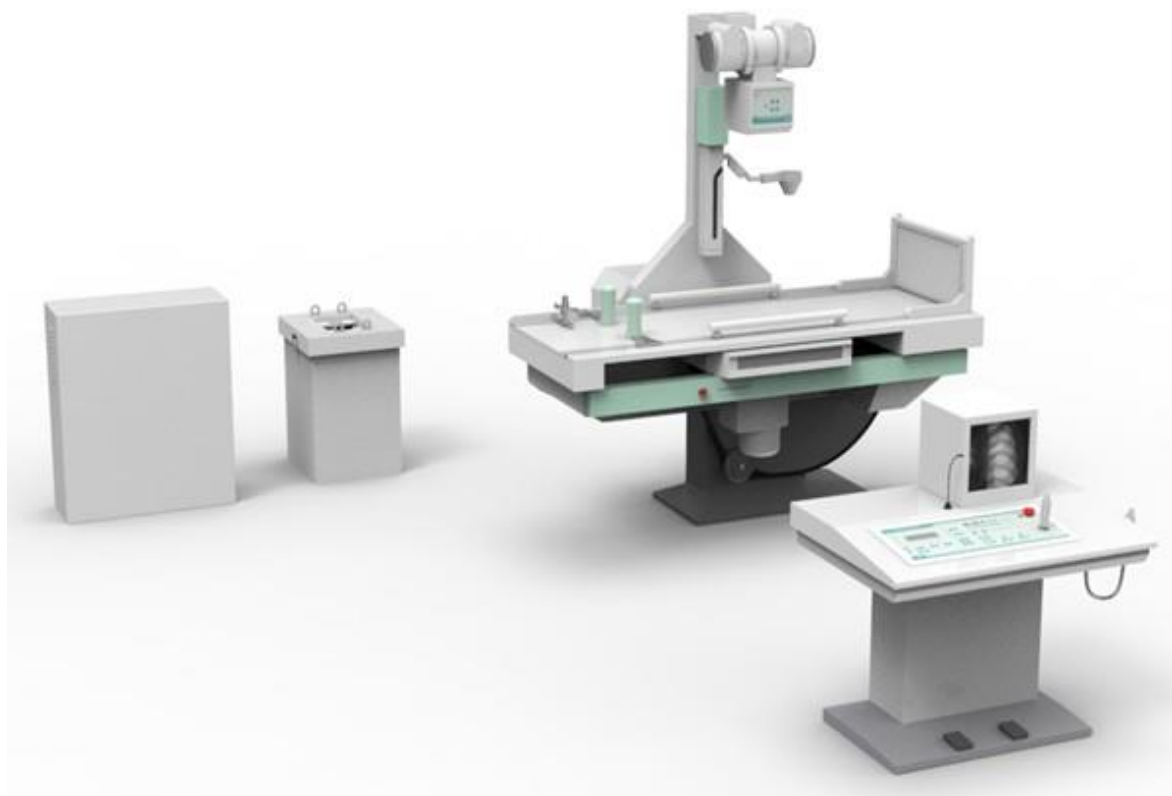
Packing Details: (4 wooden cases)

	Packing Dimension(mm)	NW(Kg)	GW(Kg)
1	2175*1390*1476	1206	1361
2	1675*1040*1020	227	317
3	840*420*1085	150	172.5
4	610*500*935	261	280.5

I. Application

The equipment has the function of fluoroscopy and spot film radiography, which can be applied for the radiography of alimentary tract, biliary tract, urinary tract, veins of lower extremity and so on. It can also operate on the reposition of fracture and take the corpus alienum under the pattern of fluoroscopy.

II. Configuration

Item	Quantity
Control console	1
X-ray high voltage generator	1
Cassette type remote diagnosis table	1
9" image intensifier	1
Imported 0.47 mega pixel CCD camera	1
Medical high definition monitor	2
X-ray tube	1
Electric multi-leaf limiter	1
High voltage cable	1

III. Specification

Item		Content	Parameters
Power supply		Voltage	380V±38V
		Frequency	50Hz±1Hz
		Capacity	≥40kVA
		Internal resistance	≤0.17Ω
X-ray high voltage system	Radiography	Tube voltage	44kV—125kV, 41 steps
		Tube current	32mA—500mA, adjust stepped
		Exposure time	0.02s—4s, 21 steps
	Fluoroscopy	Tube voltage	44kV—110kV, 2kV/step
		Tube current	0.5mA—5mA
X-ray tube		Model	HXD52-30、50/125
		Output power	Big focus:50Kw small focus:30kW
		Anode thermal capacity	140KJ（180KHU）
		Module thermal capacity	1100kJ(1500kHU)
		Rotating anode	2800rpm
		Focus	2.0mm /1.0mm
Remote diagnosis table		Table rotating range	90°~0°~-25°
		Table surface Horizontal	±110mm

	movement	
	Longitudinal movement of frame and spot film device	≥720mm
	Film size	8″×10″—14″×17″
	Spot film division method	Whole film, 2-division film, 3-division film, 4-division film
	Control mode	Remote control Bed-control Soft boot and stay of frequency conversion
	Limiter	electric multi-leaf
	Grid	Grid density: 103L/INCH Grid Ratio :10:1 focusing distance 120cm 15″×18″
Image system	Image intensifier	Toshiba 9"
	CCD camera	Imported 0.47 mega pixel
	Monitor	14" Medical high definition monitor, Horizontal center resolution 1000 line, margin 800 line video bandwidth12.5MHz, 50bit 25 frame/s
	Digital image processing system （CCU center control）	High definition progressive output 8 grades noise reduction 8 images in storage LIH, mirror image, Negative, OSD

IV. Features:

1. Good image clarity and high contrast, easy to identify nidus.

1) Adopt Toshiba image intensifier, enhance grayscale, resolution and contrast to make image clearer

2) Equipped with imported CCD camera, easy to accurate diagnose at real time dynamic observation

3) Progressive input/output medical definition television system, low noise, high resolution and contrast

4) Imported grid improves X-ray quality, to get good image quality

5) Tube voltage change in short time, high accuracy exposure

2. It's simple flexible and convenient to operate.

1) Visual display interface

2) Digital image processing system

3) Diagnostic table rotating range 90 ° ~ 0 ° ~ -25 °

4) One-button operation handle

5) Bed-control is easy to operate

6) Widely spot film device and imaging system movement range

3. Security

1) Computer program control and remote operation, avoid X-ray radiation hazard

2) Automatic brightness control system (IBS), get the best image in various parts of the body and at the same

time, maximize the protection of patients and health care workers

3) The electric multi-leaf limier, adjust X-ray irradiation range to reduce X-ray radiation hazard

4) Inverter control technology

5) Reliable, high precision angular displacement sensor technology