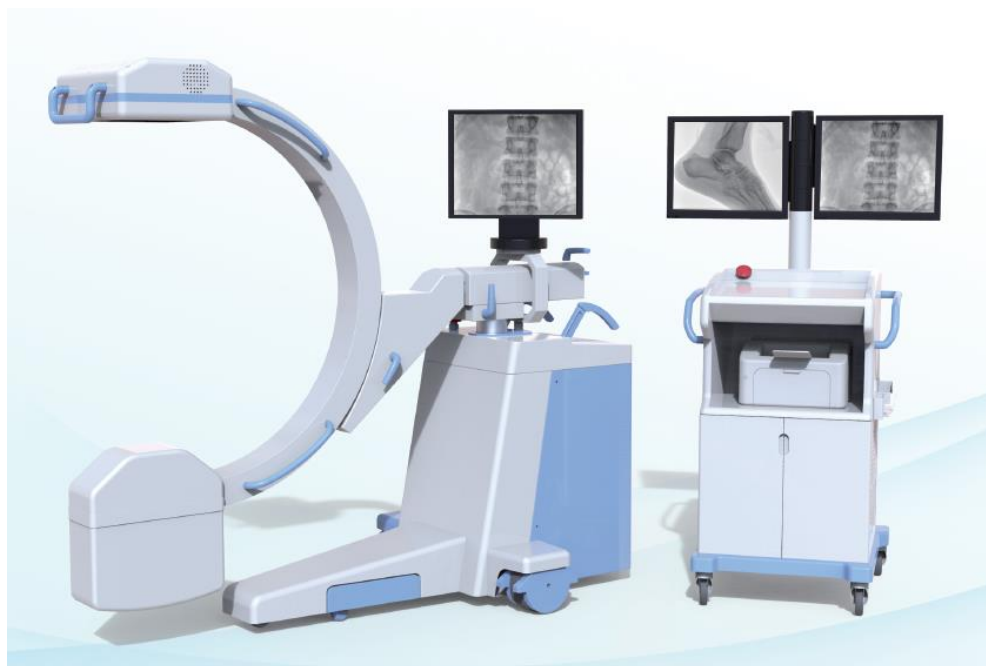


PLX118F High Frequency Mobile C-arm System



Usage:

Orthopedics: restore bone translocation, reset, fixing

Surgery: taking foreign bodies out of the body, cardiac catheterization, implantable pacemakers, interventional treatment, some of angiography and local photography etc.

Performance and Parameter:

Category	Items	Content
Electrical performance	High frequency inverter power supply	Power:5.0kW Main inverter frequency: 110 kHz
	Automatic fluoroscopy	tube voltage 40 kv~120kv,adjust automatically tube current : 0.3mA~~4mA adjust automatically
	Manual fluoroscopy	tube voltage 40 kv~120kv, continuous tube current : 0.3mA~~4mA continuous
	Pulse fluoroscopy	tube voltage 40 kv~120kv, continuous tube current : 0.3mA~~30mA continuous
	Photography tube voltage, mA	40KV~120KV, 25mA~100mA, 1.0mAs~280mAs
X-ray tube	X-ray tube special for high frequency	Fluoroscopy focus:0.3 thermal capacity: 650kJ (867kHu)
Imaging system	Detector	Imported 9*9 inch Dynamic flat panel detector
	CCD photography	Medical mega-pixel ultra-low illumination digital radiography

	Monitor	19 inch IM medical LCD grayscale display *3 pcs
	Mega-pixel CCU	Real-time acquisition, continuous adjustable recursion, many images storage, up and down image, left and right image, image patching, LIH (last image freeze)
	Workstation software	Image W/L adjust, grayscale conversion, interest area balance, turn, noise reduction, enhancement, smoothing, sharpening, compression, zoom, measure, mark, print layout, Dicom image sending, Dicom image print and movie playback, etc.
Structure and performance	Direction wheel and main wheel	Direction wheel can rotate in any direction, and main wheel can rotate in $\pm 90^\circ$.
	C-arm	The up and down electrical stroke of pillar is 400mm. Forward and backward movement: 200mm; Revolution around horizontal axis : $\pm 180^\circ$; Revolution around vertical axis: $\pm 15^\circ$, distance from focus to screen: 1000 mm; C-arm open distance: 800mm C-arm arc depth: 660mm; Slipping on orbit : 135°

Features:

1. Continuous pulse fluoroscope, it's convenient to connect digital subtraction system.
2. With mega-pixel digital CCD photography, the image is clearer.
3. With unique image software processing technique, the image is clearer for doctors to operate and diagnose. Standard DICOM interface, it's convenient to exchange information with hospitals.
4. Pulse fluoroscope has the advantage of low dose and clearer image, so it meets the needs of high precision, high difficulty minimally invasive surgery, which well protect the security of operator and patient.
5. Unique double foot brake controller design makes it convenient to control the instrument inside and outside the operation room. This design can also protect the health care professionals by reducing the probability to come into contact with the radiation.
6. Exclusive inside and outside monitor design makes it more convenient to observe the operation process either inside or outside the operation room. At the same time, this design can facilitate the outdoor teaching and the real-time observation of the surgical procedures.
7. With high-quality combined high frequency high-voltage X-ray generator, it can greatly reduce the amount of X-ray irradiation.
8. With a perspective KV, MA automatic tracking feature, so that the image brightness, sharpness automatically in the best condition
9. 9"×9" effective image area, could satisfy various clinical requirements.
10. With unique base electric auxiliary support arm design, so it's safer.
11. An unique hand-held controller design, which can control parameter set, equipment movement and radiation field, so the operation is more convenient.
12. With new design of mainframe, the appearance is compact and beautiful.

Basic configurations:

1. C-arm mainframe	one set
2. Combined high-frequency high-voltage X-ray generator and high-frequency power supply (5.0kW, 110 kHz, 120kV)	one set
3. Imported 9*9 inch Dynamic flat panel detector	one set
4. Medical mega-pixel ultra-low illumination digital radiography	one set
5. Digital acquisition and processing station (see workstation list for detail information)	one set
6. Imported dense grain grids	one set
7. Electrical adjustable beam limiting device	one
8. 19 inch IM medical LCD grayscale display	three set
9. Unique hand-held controller	one set