IBS GROUPE

STERNMED®

Xenox C100

Mobile c-arm

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Xenox C100 is a highly reliable, tough and enduring mobile System for surgical fluoroscopy. Designed for granting the best performances with the maximum affordability.

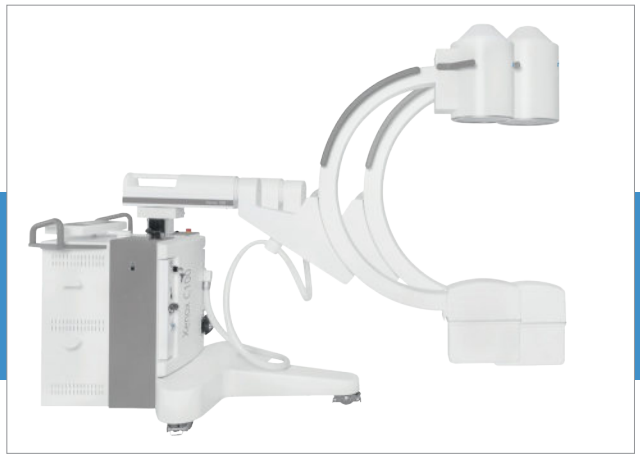
Ease of handling, X-ray parameters, high image quality and safety are some of its main advantages.

FEATURES

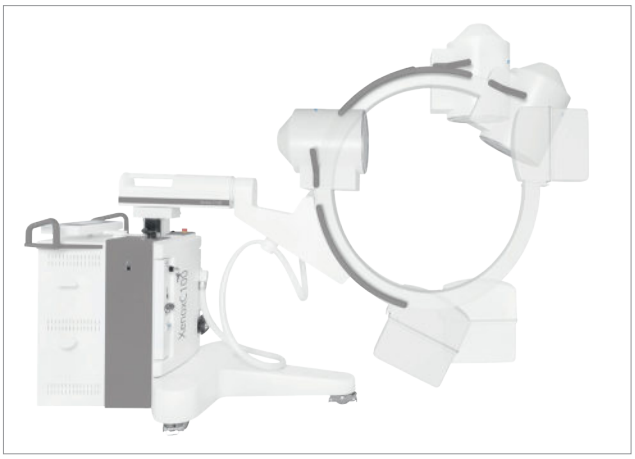
- 12“ and 9“ image intensifier option available
- High Frequency monoblock X-ray generator 5 KW
- 1k CCD camera delivers sharp and detail-rich images
- Keyboard can be rotated of ± 60°
- Modular configurations even after sales
- HD storage memory
- Full Dicom(optional)
- Triple footswitch fluoroscopy control
- 210 mm horizontal C-arm run, with manual brake for locking
- Orbital movement 135°
- 270° on each side arm rotation, with manual brake for locking.
- 12° on each side C-arm swivelling with manual brake for locking.
- Monitor trolley with 24“ LCD Monitor
- Realtime and post processing features

APPLICATIONS

- Traumatology
- Orthopedics
- Digestive system
- Generic Surgery
- Biliary drainage and stenting
- Image guided biopsy
- Neonatology and pediatrics
- Lithotripsy



210 mm horizontal run



Wide orbital movement: 135° (+93°4 ÷ -42°)

AVAILABLE MODELS

Xenox C100 (with rotating anode tube or stationary one & Image Intensifier 9" or 12" (only for rotating version) - NEW Memory: EYES

Display station
One 24" LCD monitor

Arm rotation around the horizontal axis: ± 270°

Membrane keyboard with alphanumeric touch-screen 5.7" LCD display for all the operative parameters and error messages. Microprocessor management. Keyboard can be rotated of ± 60°

Ease of handling, X-ray parameters, image quality and safety are just some of its advantages.

Extra vertical run key

Triple footswitch fluoroscopy control

Lateral control panel

X-ray hand switch with extensible cable

OPERATING MODES AND FUNCTIONALITY

Operating modalities of (eyes) Memory

- CONTINUOS FLUOROSCOPY
- PULSED FLUOROSCOPY (12/sec, 6/sec, 3/sec, 1/sec with/without acquisition on hard disk)
- DIGITAL SNAPSHOT
- FLUOROSCOPY mA (1/2): (range: 0,25-4 mA)
- RADIOGRAPHY: 2 points technique (kV & mAs)

Digital video processing

- Number of images on Hard Disk: about 55.000 (Hard Disk 128 GB)
- Video output: 1 x HDMI 1960x1200
- Image format on the working memory: 1024 x 1024 x 12 bit
- one wide screen 24" LCD Monitor
- Optional: Hard Disk of 256 GB (about 110.000 images)

EYES software

FUNCTIONS: selection of anatomic programs; recursive filter (1,2,4,8,16); edge enhancement Smooth, Normal, Sharp in post processing; smart filter with «motion detection^; grey scale inversion; brightness and contrast; virtual collimator, horizontal and vertical flip; electronic rotation at 1° step; Electronic zoom factor from 1,2 to 3; Electronic lens factor from 1,2 to 3; Overview (4,9,16 images); Text editing; Dose report; Patients archive; Interface for network Ethernet TCP/IP; Export single BMP image on USB.

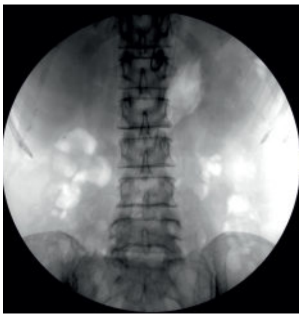
MEASUREMENT TOOLS (included in basic configuration): length, angles, te[illegible], length calibration on reference object; text overlay

Options

In case the options are present all the relative functions are activated

- DICOM OPTIONS: Dicom VERIFY (SCU/SCP), Dicom STORAGE, Dicom WORKLIST (SCU), Dicom PRINT (SCU), Dicom CDR/D VD, Dicom QUERY/RETRIEVE (SCU), Dicom MPPS (CPU), Dicom STORAGE COMMITMENT (SCU)
- Thermal printer
- Patient radiation dose measuring device (DAP chamber)
- Laser localizer for centering the anatomical area to be examine
  on the I.I. side
- 24x30 cm or 18x24 cm or 10x12" Cassette Holder (9" I.I.)
- 35x35 cm Cassette Holder (12" 1.1.)

EXCELLENT CLINICAL IMAGES

TECHNICAL SPECIFICATIONS
Xenox C100 | SternMed mobile C-arm

Power Supply	230 Vac ±10% standard monophase 105 / 115 / 125 / 220 / 240 Vac ±10% With Automatic Line compensation.
Frequency	Frequency: 50/60 Hz ±5 Hz

	Stationary - 9”	Rotating - 9”	Rotating -12”
Horizontal run	210 mm	210 mm	210 mm
Motorized Vertical run	500 mm *	500 mm*	460 mm**
Arc orbital Movement	135°	135°	135°
WIG-WAG	± 12,5°	±12,5°	±12,5°
Focus-skin distance:	218mm	200mm	200mm
Min. distance from floor:	172	150	130
Useful space	770 mm	770 mm	720 mm
C-arm depth	690 mm	690 mm	690 mm
S. I. D.	988 mm	980 mm	920 mm
Arm rotation around horizontal axis	±270°	±270°	±270°
	*motorized in 60 sec.; **motorized in 55 sec.		

RADIOLOGICAL		
Generator power in DC current	“S” 3,5 kW	“R” 5 kW (3,5 kW@115 Vac)
Generator operating frequency	40 kHz	40 kHz
KV range	40 110 kV	40 -h 120 kV
Max current in continuous fluoroscopy	8,0 mA	8,0 mA
Max current in «SNAPSHOT» fluoroscopy	10 mA	30 mA
Max current in HCF with DFG (HRP)	/	30 mA
Max current in pulsed fluorography with DFG (HRP)	/	60 mA@230 Vac; 45 mA@115 Vac
Max current in digital graphy-mode with DFG (HRP)	/	60 mA@230 Vac; 45 mA@115 Vac
Max current in radiography (hi-rad)	25 mA @ 115 Vac 35 mA @ 230 Vac	35 mA @ 115 Vac 50 mA @ 230 Vac
Max mas in radiography	90 mAs @ 115 Vac - 125 mAs @ 230 Vac	90 mAs @ 115 Vac - 125 mAs @ 230 Vac
MAX FLUOROSCOPY TIME	H.U. Safety after 21 min of fluoroscopy @110 kV, 5 mA (550W)	H.U. Safety after 28 min of fluoroscopy @120 kV, 5 mA (600W)

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