RADX | Corus 9 FPD

Mobile High Frequency

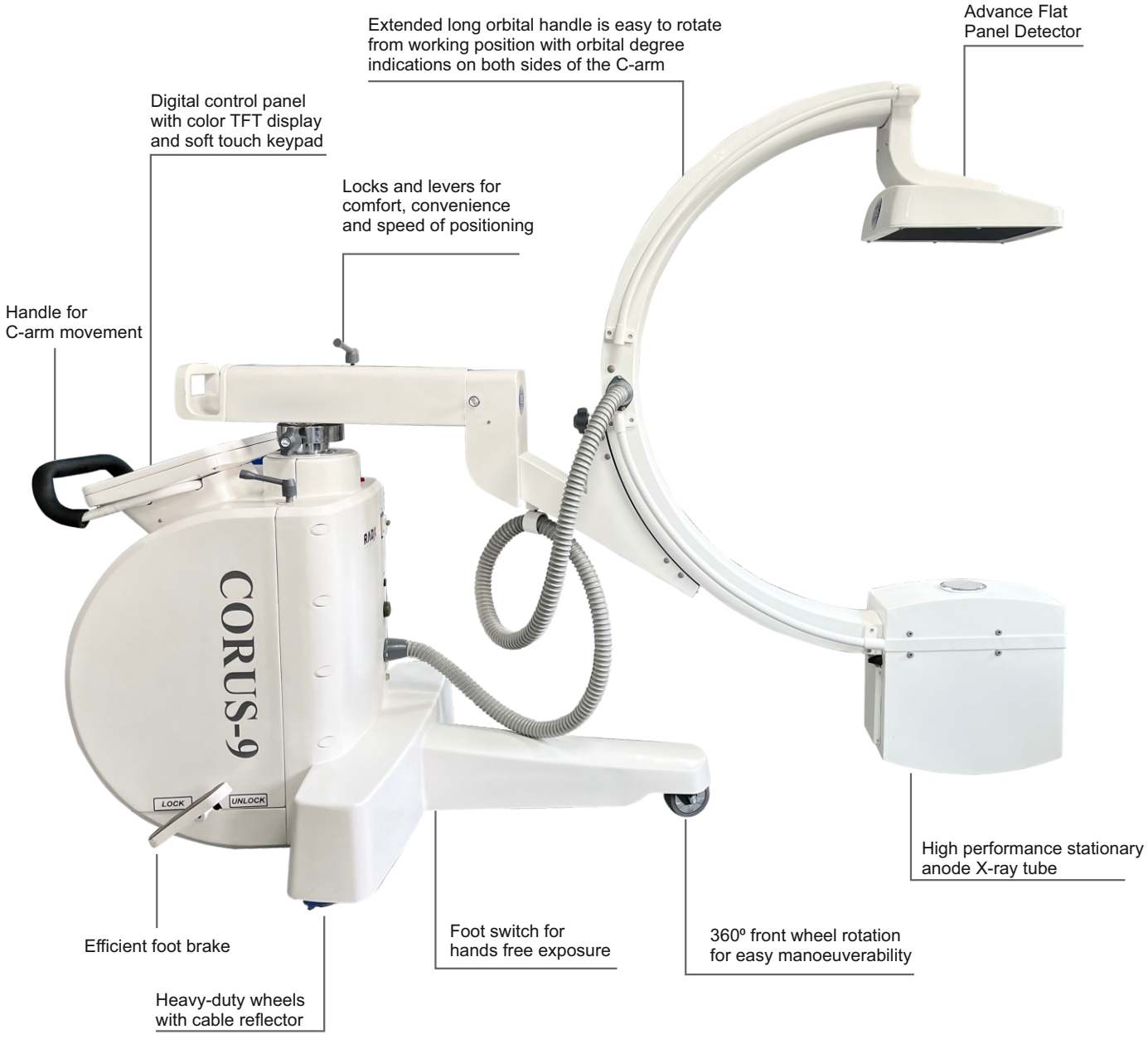
Flat Panel Digital C-arm

SUPERIOR DIGITAL IMAGE QUALITY

with Edge To Edge visibility

Corus 9 FPD incorporate high frequency inverter based X-ray generation with excellent image quality and reduced stray radiation to the patient and operator

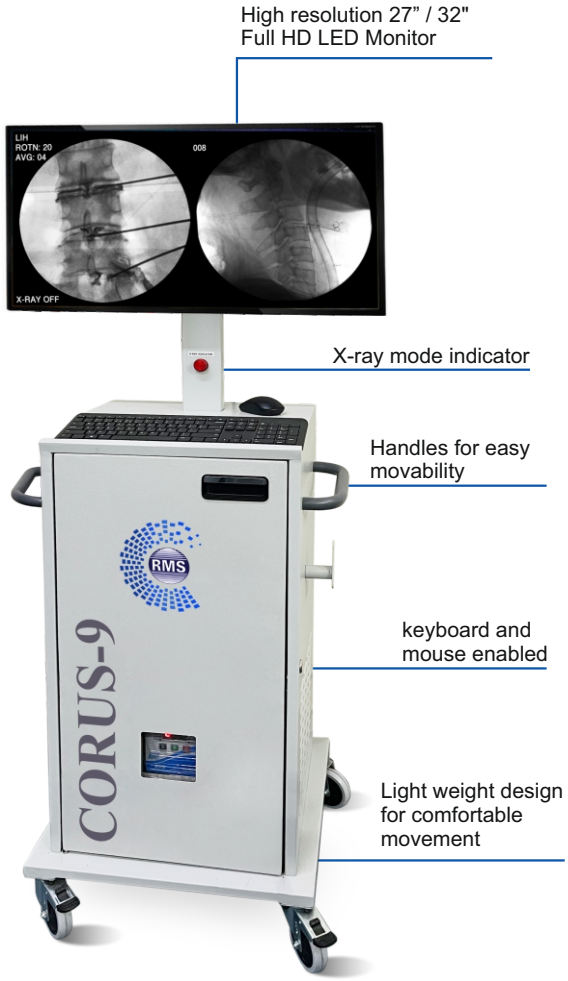
- Data rich imaging delivers enhanced visuals
- Compact and ergonomic design for easy operation
- Low dose fluoroscopy with flat panel technology
- 9.3" x 9.3" flat panel detector that enables high resolution digital image
- Fluoroscopy APR for Orthopaedics, Urology, Cardiology, Neurosurgery and Gastroenterology
- Clear geometrical distortion free image offer higher grayscale resolution for more visible anatomy
- High resolution full HD flat-screen monitor to clearly visualize the compete anatomical details



MOBILE SURGICAL FLUOROSCOPIC X-RAY SYSTEM WITH FLAT PANEL

Sharp utility to Perform Extremity Procedures

- Computer based processing and memory system
- Convenience of working with mouse and keyboard
- A large memory storage in frame by frame mode
- Post image enhancements with annotation and measurement
- Optimal dose indicator algorithm (ODI) in manual X-ray mode to avoid X-ray adjustment continuously
- Patient data can be search by name, gender, age, ID and registration date
- 200 frames with 13 fps cine loop facility
- Simple user interface reduces procedure time to improve efficiency
- Dedicated video rotation angles
- Rotation angle is at 1^{o} step-wise with scrollbar
- USB pen drive for data storage
- Image flip facility (horizontal / vertical / both)



Advance Flat Panel Detector

- Better clinical care with low dose fluoroscopy
- 16 bit high dynamic range and low noise circuit design
- Smart ABS technology for stable continuous imaging
- Distortion free high quality images

Computerized Workstation

Low skin dose for patient safety

Post image enhancement

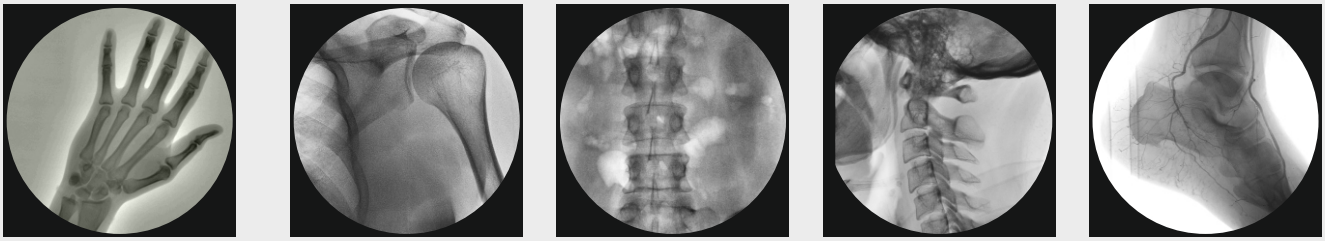
HD High Resolution display

High frequency pulsed fluoroscopy

Anatomical Program

Aluminum beam filtration

Cutting-Edge imaging technology that result in high quality images



Corus 9 FPD - Technical Specifications

X-ray Generator

Type	40 kHz, High frequency
Output	3.5 KW
Fluoro/ Radio KV	40-110 KVP with 1 KV / step
Fluoro mA	0.1-4 mA
Radiographic mAs	0.4 to 200 mAs (optional)
Radiographic mA	20 to 80 mA (optional)
Radio Timer	Upto 5 sec
Fluoro Timer	300 sec cumulative
Fluoro Timer Alarm	Graded intermittent beep alarms
Fluoro selection	Continuous, single pulse, multi pulse
HD mode	8 mA for 10 sec

Tube Head

X-ray Tube	Monoblock with Stationary Anode
Dual Focal Spots	Small-0.6 mm^2
	Large-1.5 mm^2
Thermal Protection	Auto cut-off
Collimator	Fixed

Imaging System

Flat Panel	Amorphous silicon active TFT/diode array, direct deposit CsI: Tl
	236.5 x 236.5 mm^2 imaging area
	154 μm pixel pitch
	16 bit with low noise circuit design
X-ray Grid	250 x 250mm, 80 L/cm, 10:1 grid ratio
Image Memory	PC based
	Unlimited image storage memory (as per hard disk capacity)
	1000 runs of 100 frames
	Storage at full resolution (1024 x 1024)
	Single monitor support for enhanced LIH (Last Image Hold) and memory
	Image Rotation (1^0), Horizontal and Vertical flip, Negative Image, Sharpness adjustment, Contrast adjustment, Brightness, zoom in / zoom out, Panning of image
	TIFF image format support
	Auto Save Image after exposure
	Post image annotation and measurement
	Image Averaging up to 32 Frames
	Print layout configuration and preview
	Patient information (age, ID, name, gender) on screen
	Dedicated Patient Mode add, modify, delete patient, search data and doctor information
	USB port for Memory stick and Keyboard for patient details
Monitor	Single monitor 27" / 32" Full HD
Others	Self Diagnostic Program
Computer	High performance

Control Display

Type	Graphical colour TFT display
APR mode	Present
Size	5.7"
Parameters	To display all Fluoro and Radiographic parameters viz. KV, FmA, time and other indicators
Tube Temperature	Realtime temperature display on screen

Mechanical

Arc Orbital movement	125°
Axial Rotation	±180°
Horizontal Movement	210 mm
Vertical Movement	410 mm (motorized)
Swivel Range	±12.5°
SID	950 mm
Clearance	775 mm
Arc-Depth	700 mm
Lateral Movement	Steering Handle
Locking Mechanism	Locks for all the manual movements
Emergency Switch	Shutdown entire machine operations

Trolley

For Monitor, PC Image Memory and Servo Voltage Stabilizer

Power Supply

230 Volts AC ±10V, 50 HZ. Single Phase, 15A ±10% Regulation with independent earthing, line resistance < 0.4 ohms

Optional

Slave Monitor, Iris or Parallel Collimators, Cover (Tube Head), Remote (IR) for basic function

Certified AERB, ISO 9001:2015, EN ISO 13485:2016 company CE

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