Corus 9



Mobile High Frequency

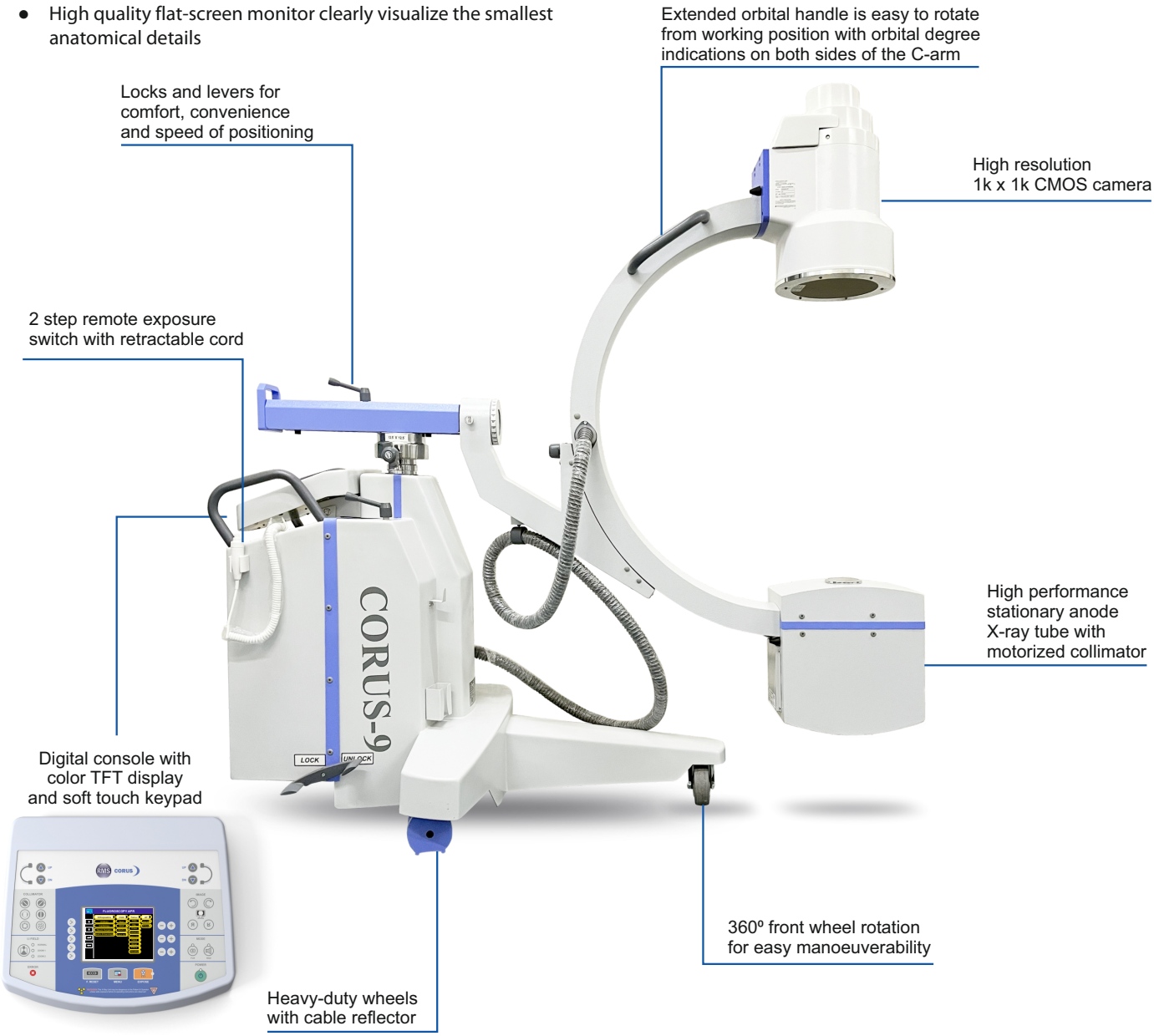
1K x 1K HD Imaging Chain C-arm

UHD IMAGING CHAIN

Improved clinical applications with Computerized memory

Corus 9 1K x 1K high resolution imaging technology on a mobile system incorporate high frequency inverter based X-ray generation with excellent image quality and reduced stray radiation to the patient and operator

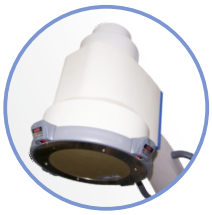
- Professional storage system for single and continuous images, reducing the repeatability of the exposure
- Small footprint fits easily in a small work space
- Reliable 9" image intensifier technology
- Compact and lightweight design makes for easy maneuvering and positioning
- Smart system operation with push button interface
- Time savings with inbuilt APR system
- High quality flat-screen monitor clearly visualize the smallest anatomical details

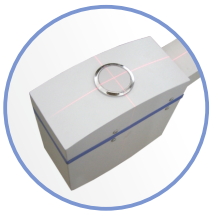


Mobile Surgical Fluoroscopic X-ray System

Versatility 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
- 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
- Multi frame of 200 frames per run/cine-loop
- Simple user interface reduces procedure time to improve efficiency
- Dedicated video rotation angles
- Rotation angle is at 1^{0} step-wise
- USB pen drive connectivity

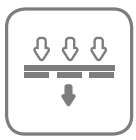




Laser Aimer
Laser based Aiming tool that provides guided positioning of C-Arm through a Sharp Cross Hair Laser Mark to reduce the exposure for doctor and patient



Computerized Workstation


Low skin dose for patient safety


Post image enhancement



HD High Resolution display



High Frequency Generator

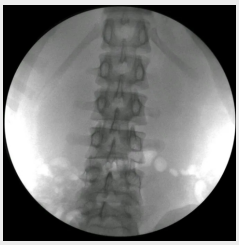


Anatomical Program


Fluoroscopy foot-switch

Advanced imaging technology that result in high quality images











Cours 9 (1K x 1K) - 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	0.1-3 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	upto 8 mA (optional)

Tube Head

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

1K x 1K Imaging Chain

Image Intensifier	9", Triple Field
X-ray Grid	9"- 8:1, 100 LPI
Camera	Digital CMOS with Sony sensor, 1.6 MP, 10 bits, 15 fps / 25 fps and high resolution 1440 x 1080 pixel with interface GigE vision
Image Memory	PC based 200000 image memory 1000 runs of 100 frames image memory Unlimited patient creation (as per hard disk capacity) Storage at full resolution 1024 x 1024 Single monitor support for enhanced Last Image Hold (LIH) Image Rotation (1º), Horizontal and Vertical flip, Negative Image, Sharpness adjustment, Contrast adjustment, Brightness, zoom in / zoom out, image flip and Ultra Enhancements (live and post processing) Dedicated Patient Mode (Without Registration), add / modify doctor information, add / modify / delete or search patient data JPEG image format support Auto Save Image after exposure Patient Image Counter and Patient Name Real time Digital Zoom Image Averaging up to 32 Frames Panning of image, annotation and measurement Print layout configuration and preview USB port for Memory stick and Keyboard for patient details Remote control, support for 2 monitors, Recursive temporal noise reduction (optional)
Monitors	Single monitor of 27" / 32" (1920 x 1080) Full HD Ultrawide LED Monitor with Auto Clean, Active Back-light control and contrast booster

Control Display

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

C-arm Mechanical

Arc Orbital movement	125°
Axial Rotation	±180°
Horizontal Movement	210 mm
Vertical Movement	410 mm (motorized)
Swivel Range	±12.5°
SID	942 mm
Clearance	775 mm
Arc-Depth	612 mm
Lateral Movement	Steering Handle
Locking Mechanism	Locks for all the manual movements of C-arm
Emergency Switch	Shutdown entire machine operations

Trolley

For Monitors, Image Memory and Servo Voltage Stabilizer.

Minimum Computer Configuration

OS: Windows 10 Professional (32/64bit) or higher, Processor: Intel i3 10th Generation 2.5 GHz or higher, Hard Disk 500 GB or higher, RAM 4GB or higher, USB Port/Serial Port, CD/DVD Optical Drive and High Resolution LED/TFT

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, Covers (Tube Head, II and Console), Laser Aimer and WiFi connectivity

Since R&D is a continuous process, to make changes in product features, specifications, aesthetics and/or to discontinue the same at any time without notice or obligation

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