



**Corus Series**  
Mobile C-Arm Image Intensifier



**ABKAR MEDICAL**  
EQUIPMENTS L.L.C  
*Reliable partner in Healthcare*



**HIGH FREQUENCY C-ARM**

C O R U S

Cardiology — Orthopaedics — Radiology — Urology — Surgery

**AERB APPROVED**



# *It doesn't only look better...it performs better*

 Compact Design

 Smart Technology

 Superior Image Quality



Vertical Movement



Axial Rotation



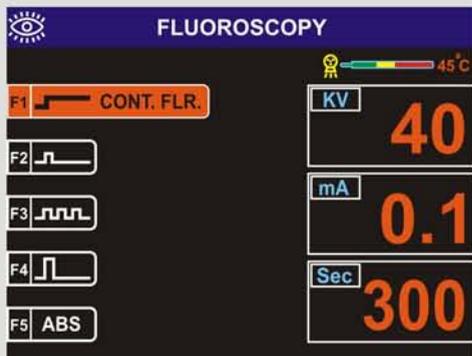
Arc Orbital Movement



Swivelling



Horizontal Movement



**EXPOSURE DETAILS**

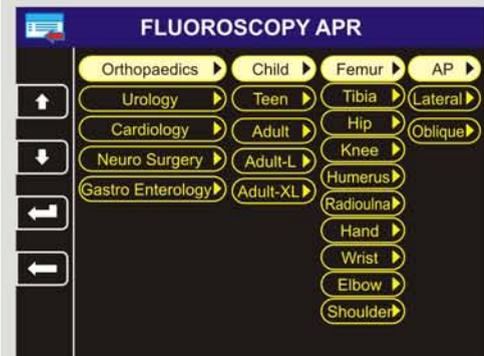
Date	Time	KV	mA	Sec
16/07/12	06:30PM	40	0.1	03
16/07/12	06:34PM	50	0.5	03
16/07/12	06:34PM	65	0.8	02
16/07/12	06:34PM	72	1.0	01
16/07/12	06:41PM	78	1.2	05
16/07/12	06:41PM	81	2.2	06
16/07/12	06:46PM	92	2.5	01
16/07/12	06:48PM	63	1.5	08
16/07/12	06:59PM	71	1.6	07
16/07/12	07:10PM	75	2.0	03
16/07/12	07:18PM	78	2.0	04
16/07/12	07:26PM	80	2.2	09
16/07/12	07:30PM	72	1.5	05

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F2 ↓

F3 Esc

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## Digital Console with Colored LCD display



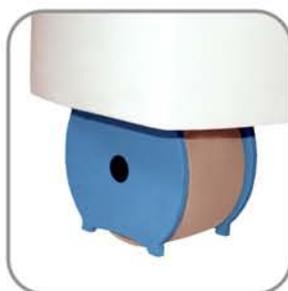
**Intelli-display:** A digital control panel with large colored LCD display featuring an intuitive user interface with clear icons, makes the unit extremely easy to work that ensures unambiguous communication between C-Arm operator and surgeon.

**Anatomical Programs:** Application oriented anatomical programs optimally adjust the system's exposures as per body region.

**Image Memory:** Equipped with 100 frames image memory, which offers 360° image rotation, image mirror, contrast adjustment and negative image.



Hand-held Exposure Switch



Wheels with cable deflector



Foot Brakes



Emergency Stop

# Technical Specifications

## Corus 9

### X-Ray Generator

Type	40kHz, High frequency
Output	3.5KW
Fluoro/ Radio KV	40-110KV
Fluoro mA	0.1-3mA
Radiographic mAs	0.4 to 200mAs
Fluoro Timer	5 min. cumulative
Radio Timer	Upto 5sec.
Fluoro Timer Alarm	Graded intermittent beep Alarms
HD mode	upto 8mA (optional)

### Tube Head

Type	Monoblock with Stn. Anode
Focal Spots	Small-0.6mm <sup>2</sup> Large-1.5mm <sup>2</sup>
Thermal Protection	Auto cut-off
Collimator	Fixed Collimator

### Imaging System

Image Intensifier	9", Triple Field
X-Ray Grid	9"-8:1, 100LPI
CCD Camera	½"B/W CCD Camera with optics
Image Memory	100 Frames image memory with LIH, Negative Image, Contrast adjustment, Dual Monitor support, Image Rotation, Image Mirror and IR remote support
Monitors	2 Nos. Monitors of 17" size
Others	Self Diagnostic Programme

## Corus 6

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Focal Spots	Small-0.6mm <sup>2</sup> Large-1.5mm <sup>2</sup>
Thermal Protection	Auto cut-off
Collimator	Fixed Collimator

### Imaging System

Image Intensifier	6"
X-Ray Grid	6"-8:1, 100LPI
CCD Camera	½"B/W CCD Camera with optics
Image Memory	100 Frames image memory with LIH, Negative Image, Contrast adjustment, Dual Monitor support, Image Rotation, Image Mirror and IR remote support
Monitors	2 Nos. of 17" LCD/TFT Monitors suitable for medical use
Others	Self Diagnostic Programme

### Display

Type	Graphical colored LCD display
Size	5.7"
Parameters	To display all Fluoro & Radiographic Parameters viz. KV, FmA, time, Exposure History & other indicators
Tube Temperature	Realtime temperature display on screen

### C-Arm

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

**Trolley** To house Monitors, Image Memory & Servo Voltage Stabilizer.

**Power Supply** 230 VAC, 50 HZ. Single Phase, 15A ±10% Regulation with independent earthing

**Optional** - 19" Monitors, - Iris and Parallel Collimators, - Covers for Tube Head, II and Console,  
- Image Memory with 100 frames permanent storage, USB memory stick, LAN, Image Zoom function with pan

Since R&D is a continuous process, features & specifications are subject to change without notice.



**ABKAR MEDICAL**

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Certifications: ISO 9001:2008, EN ISO 13485:2003, BIS / AERB, CE

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