

DEL MEDICAL C-Arm

High Performance Surgical System with Digital Imaging Management

A compact, light-weight and high performance surgical C-arm with integrated triple field image intensifier, digital camera and rotating anode x-ray tube for longer fluoro studies. The high frequency generator produces outstanding image quality with high resolution and contrast while reducing patient and operator radiation dosage.

Key Features

- Easy and efficient workflow
- High resolution CCD camera
- 12kW high frequency generator
- Large diameter C-Arm
- Pulsed fluoroscopy for dose reduction
- Boost fluoroscopy (20mA)
- ABS control
- Cine loop function
- Longer fluoro time, superior heat capacity

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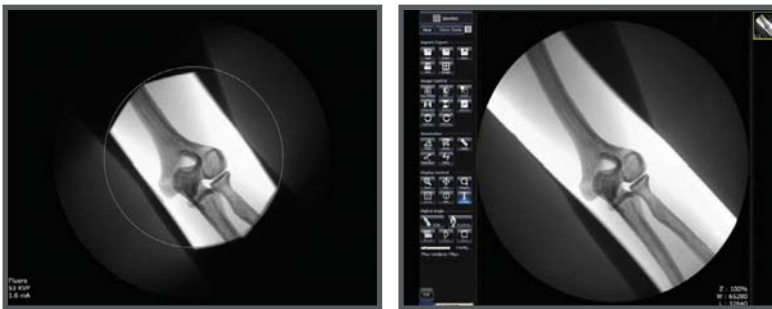
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High Performance Surgical C-Arm System

Del Medical C-Arm systems are integrated with a triple field, 9" image intensifier tube, CCD digital camera and rotating anode tube for more efficient dispersement of heat units.

High Power Output with 12kW HFG

The high frequency generator with inverter technology generates high quality images with reduced radiation dosages for both patient and operator safety.



Large SID distance
39.4" (1000mm)

Radiation Reduction with Dose Management System

The iris collimator also significantly reduces unnecessary radiation dosage for both patient and operator, while increasing functionality. Additionally, the high resolution, 1K x 1K CCD camera with physical shutter guarantees superior images with minimum dose.

135° Wide Orbital Rotation



Thoughtful Features for Safety and Convenience

- Touchscreen with LCD display
- Laser marking device
- Wheels with cable guard
- Metal detector function
- Edge Enhancement
- Hot Key access to pre-set functions
- Intuitive workflow with 9 preset configurations
- Customizable brightness and contrast presets
- Standard radiography with APR is also possible.



The user friendly design combined with diversified, advanced technology allows for fast, efficient workflow.

Advanced Image Management & Networking

Digital Work Station

Our sleek and attractive trolley is compact and easy to maneuver even in the smallest OR. The system's dual high resolution LCD monitors feature high brightness (1,000cd/m²) panels for increased object detection and accuracy of operation and diagnosis. The tilt and elevate functions of the dual 19" medical monitors allow for ultimate display versatility.

Digital Imaging Management

The Digital Imaging Management System is equipped with cutting edge digital technology and is designed to meet the demands of today's complex and diversified medical image acquisition and management. You can quickly "search & view" images from the internal DICOM database and create and send DICOM files to DICOM servers or PACS systems.

- Provides image storage and image search and allows for side by side comparison of live images and saved images.
- 80GB hard drive capacity stores more than 30,000 images convertible to general formats such as BMP, JPEG, and TIFF.
- Large selection of diagnostic image control tools including zoom, contrast, reverse, rotation.
- Digital Paper/Print

Image Processing Features

- Window level (contrast adjustment)
- Real time & post processing
- Pan and zoom control
- Image flip (horizontal & vertical)
- 360° image rotation
- Noise reduction & recursive filter
- Edge enhancement

Overlay Image Data & Display

- Patient, study and image information
- Multiple display: up to 4x4 matrix format
- Video image record and play

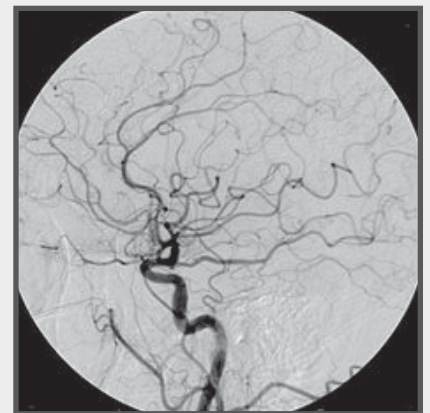


Upgrade Options

DSA Function (Digital Subtraction Angiography) and Cine Loop Function provide enhanced examination options. Even more versatility is achieved with the addition of adjustable frame rates fully compatible with PACS.

Frame rate: MAX 25 Frame/Sec- 4,8,12,25
Total DSA Time: 6~7sec
Total Frame: 180 Frame
Output: AVI or DCM (Multi frame)

- Dose Area Product (DAP)
- Virtual collimator



DEL MEDICAL

C-Arm

High Performance Surgical System

Technical Specifications

C-Arm with Anatomical Programming Radiology (APR)

SID:	39.4 in. (1000 mm)
Orbital rotation:	135° (90° / 45°)
Horizontal travel:	7.9 in. (200 mm)
Vertical travel:	19.7 in. (500 mm)
Panning motion (wig-wag):	± 12.5°
Pivot rotation (C-arm rotation):	± 180°
Reverse position:	Yes
Cassette holder size:	10" x 12" (24 x 30 cm)
Collimator:	IRIS (circular) motor driven
Filter:	2.5 mm AL @100 kVp
Power Requirements:	110/220 VAC 50/60 Hz
Weight:	661 lbs.

CCD Camera

Number of pixels:	1024(H) x 1024 (V)
A/D-conversion:	14 Bit
Signal system:	16 bit digital signal processing
Memory:	99 Frame (over 30,000 images)
Monitor:	Twin, 19" TFT LCD medical monitors
Last Image Hold (LIH):	Yes
Image rotating:	Continuous electronic
Image reverse:	Horizontal / Vertical

High Definition Image Intensifier

Size:	9"
Field of View:	9", 6", 4.5"
Resolution (lp/cm):	56, 62, 70
Contrast ratio (10%):	36:1

Rotating Anode X-Ray Tube

Maximum kVp:	125 kVp
Heat capacity:	300 KHU
Housing heat storage capacity:	1,600 KHU
Focal spot:	0.3mm / 0.6mm
Target angle:	10°

High Frequency Generator

Power output: 12Kw

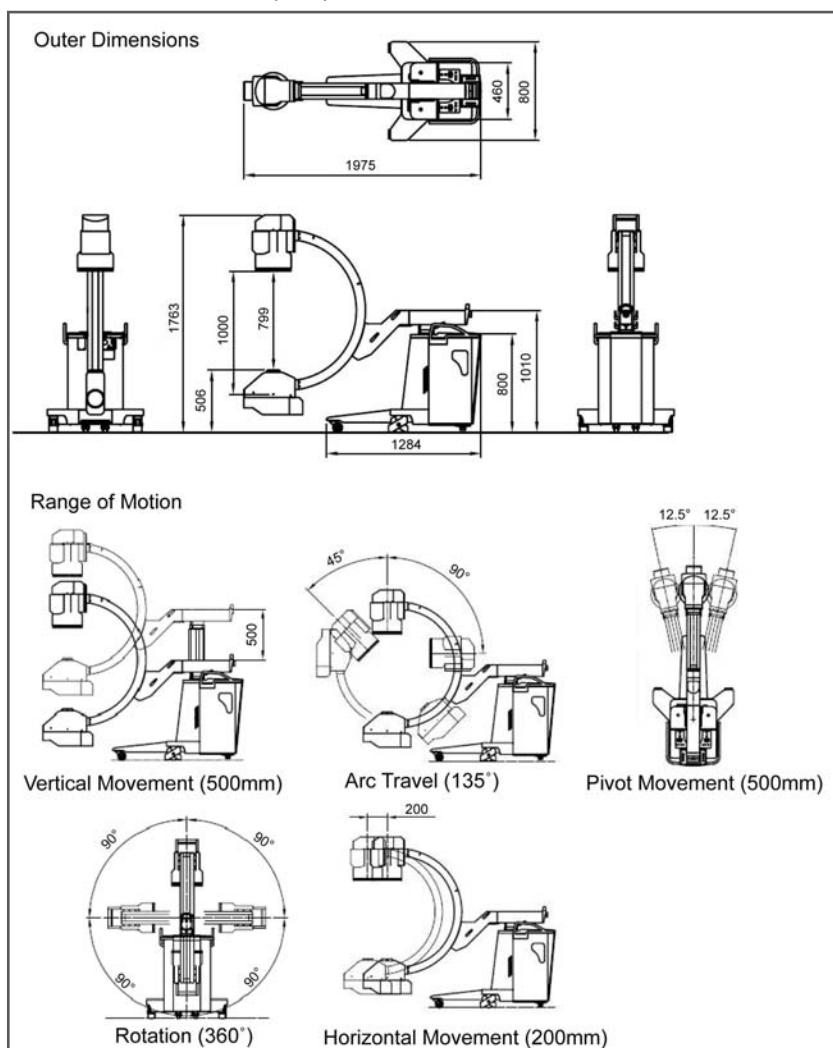
Fluoroscopy Mode

Normal mode: 40-125 (1 step),
0.5-5mA (0.1step)

Pulse mode: Rate (up to 30 frames/sec.)
40-125 (1 step),
20mA (fix)

Radiography Mode

kV range: 40-125 (1 step)
mA range: up to 150mA
mAs range: 0.4-500mAs



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Del Medical is a UMG Company.
Del Medical is an ISO 13485 & ISO9001 Certified Facility.
Specifications are subject to change without notice.

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