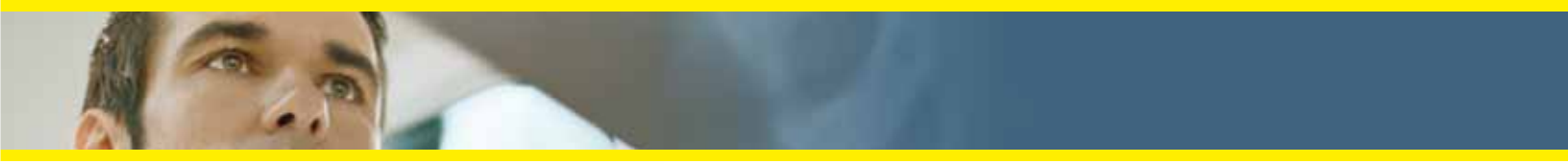
Remanufactured OEC 9400 C-arm

Your Partner In Imaging

OEC 9400 C-arm Remanufacturing Process

All OEC-9400's go through a multistep remanufacturing process. EDI takes great pride in the fact that each unit is restored to a like-new status. Pain Management, Orthopedics, Rehabilitation Services are just a few of the applications utilizing the EDI remanufactured OEC-9400 c-arm. The rotating anode x-ray tube allows for greater penetration and resolution for the lumbar area when doing needle localizations or other work involving the thicker anatomical areas of patients. For barium swallows a VCR or Digital Video Recorder can be utilized for better record keeping and post study analysis. Whatever the purpose, an OEC-9400 remanufactured by EDI will deliver the results you can depend on.



Mechanical repairs/cosmetic maintenance

- All defective parts and covers are repaired or replaced
- Vertical lift assembly is tested for drift and adjusted/replaced if necessary
- All bearings are inspected, cleaned and re-lubricated, or replaced as needed
- Control panel display is tested and replaced if necessary
- Wheels are inspected and lubricated and/or replaced as needed
- New cable pushers installed
- All locks and brake assemblies are inspected, cleaned, and repaired or replaced as needed
- C-arm is completely disassembled and repainted
  - "C" is removed from main frame assembly and disassembled
  - Horizontal arm removed, inspected and repaired as necessary
  - Vertical column removed and bearings removed inspected and replaced as required
  - X-ray tube removed
  - Image intensifier removed
  - Camera removed
  - Wheels removed, cleaned and or replaced from main chassis
  - Chassis inspected for structural defects and repaired as necessary
- New main connecting power and cable installed to include new low voltage and High Voltage cables
- All boards are removed from main chassis and inspected for cold solder joints
- Steering is tested and adjusted as required
- Foot switch and hand switch provided on each unit
- A complete set of operator and service manuals are provided
- All covers are sent to the prep and paint area for cosmetic refinishing

Re-assembly

- All components sent to C-arm reassembly area for rebuilding
- "C", Image tube and camera, Vertical column, main control and power cable installed
- New batteries are installed
- New CRT monitors installed in monitor cart
- Monitor cart rebuilt
- When C-arm is completely rebuilt mechanically system is sent for calibration and final testing

Calibration and Final Testing

- Image intensifier and X-ray tube are tested for stability and balance
- Image intensifier is tested for resolution and gain to be within OEM specifications
- X-ray tube bearings are tested for noise and coast time
- X-ray tube filaments and stator windings are tested
- X-ray tube radiation output is verified to be within OEM specifications
- X-ray generator high voltage tested
- Every kVp and mA station tested for accuracy
- Image system tested and set for ABS sensing area
- Maximum dose rate is set in compliance with government regulations
- New or used Vidicon camera tube calibrated to OEM specifications
- X-ray beam is aligned for each field size
- C-arm is tested for current leakage and adjusted per specifications
- Vertical lift assembly is tested for drift and adjusted/replaced as necessary with new style mechanism
- All monitors are aligned, resized, centered and focused
- All monitors are adjusted for brightness and linearity
- Video system is optimized for gray scale and resolution
- All power supplies are tested and calibrated or replaced as necessary

Technical Specificaitons

X-Ray Generator

- High frequency 2.5 kHz
- 7.5 KW Full-Wave
- Up to 120kVp, up to 100 mA for radiographic exposures
- Fluro boost/ pulsed fluro capability

X-Ray Source

- Rotating anode
- Focal spots: 0.3 mm and 1.0 mm
- Anode heat capacity: 300,000 HU

Fluoroscopy Mode

- Focal spot : 0.3 mm
- kVp range: 40 - 120 kVp
- mA range 0.2 - 5.0

Physical Specificaitons

- Free space in arc - 9" 1.1.:27.0" (69 cm)
- Depth of arc: 23", movement: 111º
- Travel: - Verticla: 18" motorized. - Horizontal: 8"
- L-arm rotation: ± 360º motorized
- Reversible C-arm: Manual (flip-flop)

Input Power

- 100/120 VAC, 15 AMP
- 200/220/240 VAC, 12 AMP
- 50 Hz (optional)

Main C-arm Frame (stored)/ Monitor Cabinet Dimensions

- Length: 74.5" (189 cm)/ 32" (81 cm)
- Height 66.2" (168 cm)/ 65" (165 cm)
- Depth: 34" (86 cm)/ 27" (63 cm)

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