

Refurbished OEC 9600 C-arm



Your Partner In Imaging

OEC 9600 C-arm Refurbishing Process

All OEC-9600's go through a multi-step refurbishing 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 refurbished OEC-9600 arm. The rotating 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. The CCD Technology used in the OEC-9600 image system allows for crisp clear imaging. Whatever the purpose, an EDI refurbished OEC-9600 will deliver the results you can depend on.



Mechanical repairs/cosmetic maintenance

- All defective parts and covers are repaired or replaced
- C-arm is completely disassembled and repainted
- "C" is removed from main frame assembly
- Horizontal arm removed, inspected and repaired as necessary
- Vertical column removed and bearings removed inspected and replaced as required
- X-ray tube removed and inspected for artifacts and internal integrity
- Image intensifier removed and inspected for any imperfections and grid integrity
- Camera removed
- Wheels removed, cleaned and or replaced from main chassis
- Chassis inspected for structural defects and repaired as necessary
- 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
- All wheels are inspected and lubricated and/or replaced as needed, with 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
- 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

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

Testing/calibration

- 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
- Maximum dose rate is set in compliance with government regulations
- CCD camera calibrated to OEM specifications
- X-ray beam is aligned for each field size
- C-arm is tested for current leakage requirements
- 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 Specifications

Generator

- High frequency generator 4.0 KW full-wave
- Up to 120 KVP and 75MA for radiographic exposures
- Continuous fluoro-mode up to 5MA
- One shot frame integration (low, medium, high)
- Full power from standard 110V 15A Or 220V 8A outlet
- Patented energy buffer design
- X-Ray Tube
- Rotating anode X-ray tube
- Focal spots: 0.3 - 0.6 mm
- 300,000 HU Anode heat capacity

Physical Specifications

- Free Space in Arc - 31"
- Depth of Arc: 26"
- Arc orbital movement: 115 Degrees
- Left/Right wig-wag scan: +/- 11 degrees
- Vertical Travel: 18" motorized
- Horizontal travel: 8"
- L-arm rotation: +/- 180 degrees

C-arm Dimensions

- Length: 78.5"
- Height 68.25"
- Width: 33"

Workstation Dimensions

- Width: 27.25"
- Height 68.25"
- Depth: 27.25"



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