

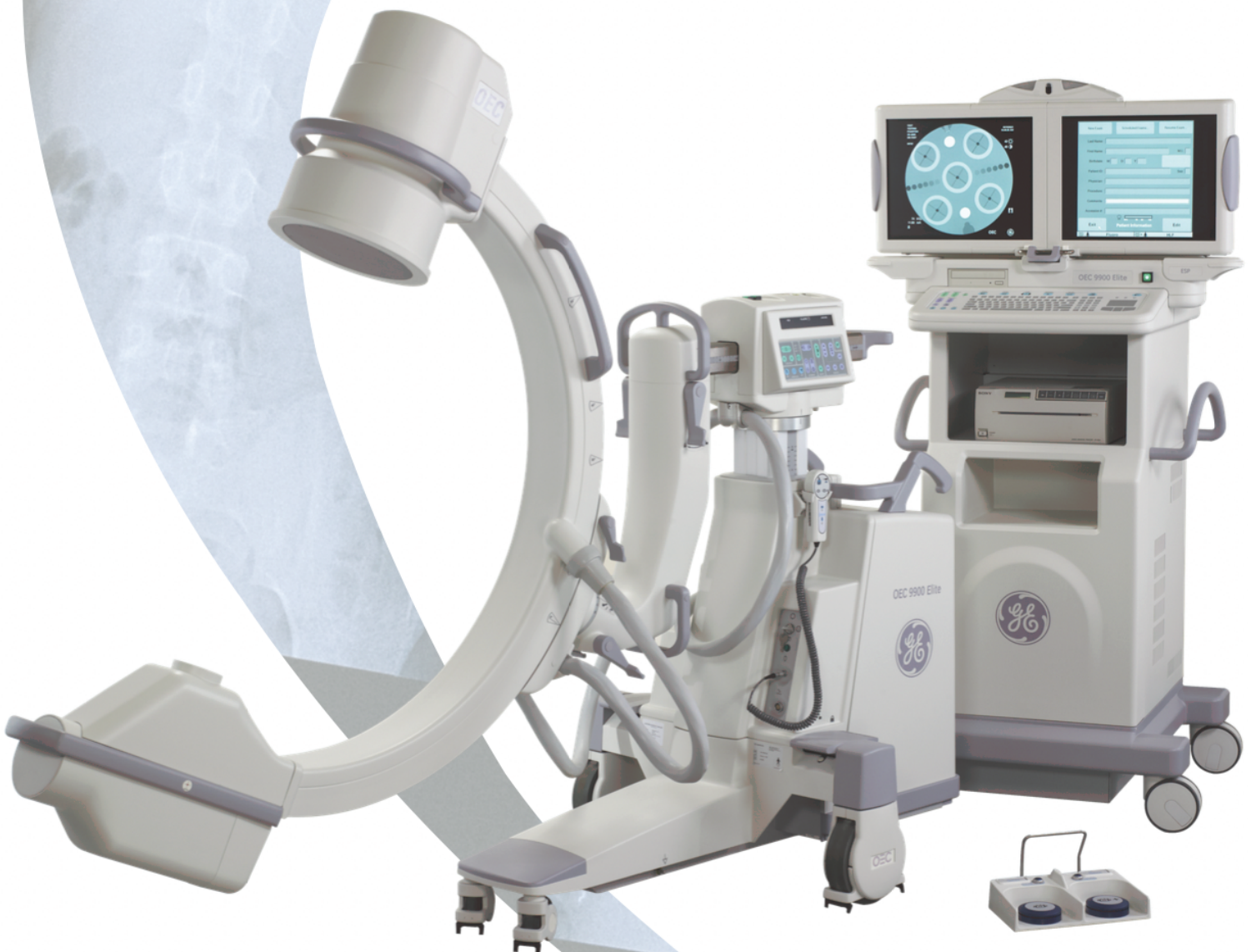
Remanufactured OEC 9900 C-arm



OEC 9900 C-arm Remanufacturing Process

All OEC 9900 systems go through a multi-step remanufacturing process. EDI takes great pride in the fact that each unit is restored to a like-new status. Pain Management, Orthopedic and Rehabilitation Services are just a few of the applications utilizing the EDI remanufactured OEC 9900 C-arm. The rotating anode allows for greater penetration and resolution for the lumbar area,

when performing needle localizations or other work involving thicker anatomical areas. The 1K X 1K CCD technology used in the OEC 9900 image system allows for crisp, clear imaging. For whatever the purpose, an EDI remanufactured OEC 9900 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-calibrated, 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, main control and power cable installed
- New batteries are installed
- 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
- LED monitors are aligned, resized, centered and focused
- LED 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 15kW full-wave
- Up to 120 kVp and 75mA for radiographic exposures
- Continuous floor-mode up to 20 mA
- Full power from standard 120V, 12A or 220V, 10A outlet

X-Ray Tube

- Rotating anode X-ray tube
- Focal spots: 0.3 - 0.6 mm
- 300,000 HU Anode heat capacity

Fuoro Mode

- kVp range: 20-120
- mA range: 0.2-10 in normal mode
10-20 in high level fluoro
- AutoTrak™ ABS

Physical Specifications

- Free Space in Arc: 31"
- Depth of Arc: 26"
- Arc orbital movement: 115 Degrees
- Left/Right wig-wag scan: +/- 20 Degrees
- Vertical Travel: 18" motorized
- Horizontal Travel: 8"
- Lateral Rotation: +/- 180 Degrees

C-arm Dimensions

- Length: 77.8"
- Height: 69.7"
- Width: 33.5"

Workstation Dimensions

- Width: 35.5"
- Height: 68"
- Depth: 27.3"



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