



## OEC 9600 Remanufacturing Process

Huestis Medical remanufactured OEC 9600 C-arms offer excellent imaging results at a remarkable price. Even more remarkable is our ability to deliver performance and safety features guaranteed to meet or exceed original manufacturer's specification.

Thoroughly remanufactured, our OEC 9600 C-arms are offered with new and upgraded imaging components. We disassemble, mechanically restore, refinish, calibrate and pre-stage each C-arm prior to delivery.

### Process / Features

#### Mechanical repairs/cosmetic maintenance

- Computer controlled ABS, mA, kVp and camera gain
- All defective parts and covers are repaired or replaced
- C-arm is completely disassembled, disinfected 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
- X-ray tube removed and inspected for artifacts and internal integrity
- Image intensifier removed and inspected for any imperfections and grid integrity
- Camera removed and cleaned
- Wheels removed, inspected, cleaned and or replaced from main chassis
- Chassis structurally repaired
- Vertical lift assembly is tested for drift and adjusted or replaced
- All bearings are inspected, cleaned and re-lubricated, or replaced
- Control panel display is tested and replaced
- 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
- Steering is tested and adjusted
- Foot switch and hand switch provided on each unit
- Operator and service manuals are provided

#### Re-assembly

- All components are staged and sent to industrial bay 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 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 OEM specifications
- X-ray generator high voltage tested
- Maximum dose rate is set in compliance with FDA guidelines
- CCD camera calibrated to OEM specifications
- X-ray beam is aligned for every field size
- C-arm is tested for leakage
- Monitors are aligned, resized, centered and focused
- Monitors are adjusted for brightness and linearity
- Video system is optimized for gray scale and resolution

#### Technical Specifications Generator

- High frequency generator 4.0 KW full-wave
- Up to 120 KVP and 75 MA for radiographic exposures
- Continuous fluoro-mode up to 5 MA
- One shot frame integration (low, medium, high)
- Full power from standard 110V
- 15 A or 220 V 8 A 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 in
- Depth of Arc: 26 in
- Arc orbital movement: 115 degrees
- Left/Right wig-wag scan: +/- 11 degrees
- Vertical Travel: 18 in motorized
- Horizontal travel: 8 in
- L-arm rotation: +/- 180 degrees

#### C-arm Dimensions

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

#### Workstation Dimensions

- Width: 27.25 in
- Height 68.25 in
- Depth: 27.25 in

