OEC 9400
Remanufactured C-Arm

Remanufactured OEC 9400 C-arms from Huestis Medical 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 specifications.

Thoroughly remanufactured, our OEC 9400 C-arms are restored to like-new condition through multi-step processes. We disassemble, mechanically and electronically restore, refinish, calibrate, and perform final testing and QA on each C-arm. Our full line of OEC C-arms offers imaging excellence and reliability, at an affordable price.

X-Ray System

Generator

- High frequency, 2.5 kHz
- 7.5 kW full-wave
- Up to 120 kVp
- Up to 100 mA for radiographic film exposures
- Boosted fluoro and Pulsed fluoro capability
- Full power from standard outlet 120V/15A
- Patented energy buffer design

X-Ray Tube

- Rotating anode X-ray tube
- Focal spots: 0.3 mm and 1.0 mm
- Focal spot kW rating: 0.3 mm = 5.3 kW and 1.0 mm = 41.0 kW
- Anode heat capacity: 300,000 H.U.
- Anode cooling rate: 70,000 H.U./min
- Housing heat capacity: 1,250,000 H.U.
- Anode diameter: 3 in
- Anode angle: 10˚

Collimator

- Two sets of opposing shutters
- Continuously variable and rotatable
- All functions remotely controlled from the C-Arm control panel and optional hand held remote

Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- Maximum ripple: typically 1% at 120 kVp/5 mA
- mA range: 0.2 – 5.0 mA normal mode, 1.0 – 20 mA boost mode
- Auto and manual modes
- Continuous, one-shot or pulsed operation
- ABS varies mA, kVp and camera gain
- User selectable ABS tables for orthopedics, chest and low dose applications

Pulsed Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: Up to 60 mA
- Pulse rate: 1, 2, 4, or 8 pulses per second
- Pulse width: 30 or 50 milliseconds
- Camera operates in progressive scan mode
- Computer controlled camera iris, mA, kVp and camera gain

Radiographic Mode

- Focal spot: 0.3 mm or 1.0 mm
- Focal spot automatically selected
- mAs range: 1 – 300 mAs
- kVp range: 50 – 120 kVp
- Cassette holder (optional) 10 in x 12 in (24 cm x 30 cm) 9 in I.I.

Video Imaging System

Image Intensifier

- Tri-mode 9 in/6 in/4.5 in image intensifier
- Central resolution (typical):
  4.5 in: 54 lp/cm
  6 in: 48 lp/cm
  9 in: 41 lp/cm
- Peripheral resolution at 70% radius (typical):
  4.5 in: 50 lp/cm
  6 in: 46 lp/cm
  9 in: 40 lp/cm
- Contrast Ratio: 30:1 (typical)
- DQE: 65% (typical at 1.7 Hz)

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making it affordable™

Remanufactured C-Arm

T.V. Camera
- 1 in Vidicon (high sensitivity)
- Progressive scan operation
- 360˚ motorized rotation
- On-screen orientation indicator (real-time feedback without fluoro)
- Left-right image reversal
- Top-bottom image reversal
- Negative mode
- Bandwidth: 15 MHz
- Video signal: Standard RS-170 A 60 Hz, 525 line
- Aspect ratio: 4:3
- Computer controlled features:
  - Dark current compensation
  - Gain
  - Blanking
  - Camera iris

Video Monitors
- Dual 17 in Ultrabrite anti-glare monitors
- 525 lines, 20 MHz
- Ambient room light sensor
- Remote brightness/contrast controls

Image Processing

Expanded Surgical Platform (ESP)
- 60 image storage with last image hold
- 640 x 512 x 10 bit
- Frame averaging noise reduction (low, medium, high)
- One-shot frame integration (low, medium, high)
- MARS (motion artifact reduction system)
- Variable edge enhancement (track ball)
- Digital window/level
- Real-time auto-histogramming (auto window/level)
- Variable zoom and roam (track ball)
- Patient annotation keyboard
- Anatomical markers
- On-line help menus
- Chole mode (up to 20 mA)
- 4 F/S digital disc (optional)

Vascular Module

Includes all Expanded Surgical Platform (ESP) features plus adds:
- Real-time subtraction
- Roadmapping
- Peak opacification
- Re-registration (track ball)
- Variable landmarking (track ball)
- Mask save/recall

4 F/S Digital Disc (optional)
- Record rate: 1, 2 or 4 Frames/Sec
- Record time: 20, 10 or 5 minutes
- Play mode: 1, 2 or 4 Frames/Sec
- Control: Instant image access (track ball)
- Synchronized to pulse with generator, T.V. camera and image processor

Hardcopy Options
- Radiographic film capability
- Thermal printer

System Control
- Entire system is computer controlled
- Software upgradable
- Main control panel pivots right-to-left for user convenience
- Multi-function infrared remote control (optional)
- Hand held X-ray remote control (optional)
- Multi-function footswitch

Mechanical
- Source to image distance: 36.18 in (919 mm)
- Free space in arc: 27.2 in (691 mm)
- Depth of arc: 23.3 in (592 mm)
- Arc orbital movement: 111˚
- Left/right wig-wag scan: ±11˚
- Vertical travel: 18 in motorized (457 mm)
- Horizontal travel: 8 in (203 mm)
- L-Arm rotation: ±185˚ motorized
- Reversible C-Arm: 180˚ manual flip-flop

C-Arm Dimensions

In compacted position:
- Length: 74.5 in (1892 mm)
- Width: 34 in (864 mm)
- Height: 65.8 in (1671 mm)

Workstation Dimensions
- Depth: 27 in (686 mm)
- Width: 32 in (813 mm)
- Height: 65 in (1651 mm)

Electrical
- Input power (50 Hz or 60 Hz):
  115 V/15A
  230 V/12A
  100 V/20A

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