



OEC 9000

Remanufactured C-Arm

Remanufactured OEC 9000 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 9000 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. Our full line of OEC C-arms offers imaging excellence – at about half the price of new!

Features

Integrated System

- Real-time digital subtraction.
- Integrated digital image processing.
- Digital image storage and review.
- Microprocessor control of all functions.
- User programmable technique settings.
- Self-diagnostic program.
- Stand alone monitor for ease of hard copy on remote multi-format cameras.
- Dual power system can be changed to operate on either 110 or 220 volts.

X-Ray Generator

- High frequency 2.5 kHz
- 7.5 KW Full-Wave.
- Up to 120 kVp, up to 100 mA for radiographic exposures.
- Fluoro boost capability.

X-Ray Source

- Rotating anode.
- Focal spots: 0.3 mm and 1.0 mm
- Filtration: 2.5 mm total Al equivalent
- Anode heat capacity: 300,000 HU
- Housing heat capacity: 1,200,000 HU
- Leakage technique factors: 120 kVp and 4.7 mA

Image Intensifier

- Choice of 6" or tri-mode 6"/ 9"/ 4" I.I.
- Resolution:
 - 44 lp/cm central (9" mode)
 - 35 lp/cm peripheral (9" mode)
- Contrast ratio: $\geq 28:1$ (9" mode)

Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 - 120 kVp
- mA range: 0.5 - 5.0 (20 mA max boost)
- Continuous or pulsed fluoro.
- ABS varies mA, kVp and camera gain.
- User selects ABS tables for orthopedics, chest, and low dose applications.
- Collimation is continuously adjustable and rotatable.
- Pulse timer: 1 second nominal, 50% duty cycle.

Radiography Mode

- Focal spot 0.3 mm:
 - kVp range: 50 - 120 kVp
 - mA range: Up to 75 mA at 100 kVp
 - mAs range: 1- 500 mAs
- Focal spot 1.0 mm:
 - kVp range: 50 - 100 kVp
 - mAs range: 100 - 500 mAs
- Collimation is continuously adjustable and rotatable.

High Resolution, Low Noise Camera

- Designed for fluoroscopy.
- Full 360° motorized rotation with left-right manipulation.
- Negative mode.
- Automatic gain control.
- Camera tube type: Vidicon

Image Processing

- Dynamic averaging (real-time)
- Motion artifact reduction (MARS).
- Digital image enhancement.
- Sharpen function, Gamma correction.
- Immediate replay.

Image Storage Options

- Sixty-image digital storage.
- Video tape recorder (VTR).
- Multi-format camera.

Mechanical Specifications

- Free space in arc - 6" I.I.: 29.5" (75 cm)
- Free space in arc - 9" I.I.: 27.0" (69 cm)
- Depth of arc: 23", movement: 111°
- Travel: - Vertical: 18" motorized.
 - Horizontal: 8"
- L-arm rotation: $\pm 360^\circ$ motorized
- Reversible C-arm: Manual (flip-flap)

Input Power

- 100/120 VAC, 15 AMP
- 115 VAC, 20 AMP
- 50 Hz (optional)

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

- Length: 74.5" (189 cm)/ 31" (78 cm)
- Height: 66.2" (168 cm)/ 60" (152 cm)
- Depth: 34" (86 cm)/ 26" (66 cm)

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OEC 9000 Remanufactured C-Arm

Huestis Medical's remanufactured OEC 9000 C-arms are furnished with many NEW components including a Vidicon camera pick-up tube and dual CRTs in the monitor cart. The final assembly and testing procedure incorporates many upgrades and new components including full calibration to meet OEM specifications.



Complete Tear-Down

All mechanical and electronic systems are functionally and cosmetically inspected, evaluated and replaced as needed.



Extended Glassware Warranty

We stand behind each remanufactured C-arm with a non-prorated, two year glassware – six month parts warranty.



NEW High Resolution Video Monitors

Huestis Medical provides two new 15" (38 cm) high resolution CRT's with each remanufactured OEC 9000 C-arm.



Optional NEW Image Intensifier

Huestis Medical can also provide a new high gain 6/ 9" image intensifier for all models of remanufactured OEC C-arms.



Custom Control Options

Ask about our wide array of various special procedures options available for custom imaging applications.

Special Procedures Options

Real-Time Subtraction

- Allows a dynamically subtracted view during a contrast study or any study where better visualization of a foreign object is needed.
- Masked image is automatically formed and subtracted continuously from an averaged (2 to 32 frames selectable) fluoro image at the rate of 30 FPS.
- Produces a continuous visualization of contrast moving through vessels.

Cholangiography

- Fluoro boost and peak opacification are provided for this procedure.

Roadmapping

- Live images are subtracted from an opacified contrast image, providing a map to follow during critical catheter placement.
- Roadmapping allows a greatly simplified method for catheter placement.
- The procedure calls for the formation of a contrast opacified mask image of the vessel in which the catheter is to be placed.
- This is stored and subtracted from the continuous fluoro catheter placement procedure.
- The result is a clear visual path, or roadmap of the route to be followed by the catheter.
- Background information is subtracted.

Peak Opacification

- As the contrast moves through the vessels of interest, it is desirable to stop a frame at an optimal point of the sequence.
- Because the contrast is moving, it is unlikely that the entire vascular tree will be optimally opacified at any one time.
- Peak Opacification remembers the maximum, or peak, contrast reached along each point of the vasculature.
- This allows visualization of the complete vasculature independent of flow dynamics.

Mask Manipulation

- Save, recall.

Huestis Medical is not affiliated with, nor is an authorized dealer of OEC Medical Systems, Inc.

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