

OEC 9600

Remanufactured C-Arm



OEC 9600 specifications



Remanufactured OEC 9600 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 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. Our full line of OEC C-arms offers imaging excellence – at about half the price of new!

Specifications X-Ray System

Generator

- High frequency
- 4.0kW full-wave
- Up to 120kVp
- Up to 75mA for radiographic film exposures
- Continuous fluoro boost mode up to 12mA (optional)
- Pulsed fluoro mode
- Pulsed fluorography mode up to 40mA (optional)
- Full power from 110V 15A
- Patented energy buffer design

X-Ray Tube

- Rotating anode X-ray tube
- Focal spots: 0.3mm and 0.6mm
- Anode heat capacity: 300,000 H.U.
- Anode cooling rate: 60,000 H.U./min
- Housing heat capacity: 1,600,000 H.U.
- Anode diameter: 3.1"
- Anode angle: 10°

Collimator

- Iris collimation with dual opposing semi-transparent shutters allow elliptical, round and rectangular collimation
- Iris and shutters are continuously variable
- All functions remotely controlled from the C-Arm control panel

Fluoroscopy Mode

- Focal spot: 0.3mm
- kVp range: 40-120
- Maximum ripple: typically 1% @ 120kVp/5mA
- mA range: 0.2-5.0 normal mode, 1.0-12mA continuous fluoro boost mode (optional on SP)
- Auto and manual modes
- Continuous, one-shot or pulsed operation
- ABS varies Ma, kip and camera gain
- User specific ABS tables

Pulsed Fluoroscopy Mode

- Focal spot: 0.3mm
- kVp range: 40-120 kVp
- mA range: 0.2-5.0 mA
- Pulse rate: 1, 2, 4, or 8 pulses per second
- Pulse width: 30 or 50 milliseconds
- Computer controlled ABS, mA, kVp and camera gain

Digital Spot Mode

- Standard with the Expanded Surgical Platform (ESP)
- Enhanced digital fluorographic one-shot with 12 mA boost
- Automatically terminates exposure and stores enhanced image to 200 image storage archival disk

Radiographic Mode

- Focal spot: 0.3mm or 0.6mm
- Focal spot automatically selected
- mAs range: 1-300
- kVp range: 50-120
- Cassette holder (optional)

- 10" x 12" (9" I.I.)
- 24cm x 30cm (9" I.I.)
- 14" x 14" (12" I.I.)
- 35cm x 35cm (12" I.I.)

Video Imaging System

9" Image Intensifier

- Tri-mode 9"6"/4.5" image intensifier
- Central resolution (typical):
4.5": 64 lp/cm
6": 56 lp/cm
9": 48 lp/cm
- Peripheral resolution @ 70% radius (typical):
4.5": 64 lp/cm
6": 52 lp/cm
9": 44 lp/cm
- DQE: 75% (typical (ct 1.7Hz))

12" Image Intensifier

Available only with the Expanded Surgical Package (ESP), Vascular Modules or Neuro Vascular Module.

- Tri-mode 12"/9"/6" image intensifier
- Central resolution (typical):
6": 56 lp/cm
9": 50 lp/cm
12": 44 lp/cm
- Peripheral resolution (@ 70% radius (typical):
6": 54 lp/cm
9": 48 lp/cm
12": 42 lp/cm
- DQE: 75% (typical (@ 1.7Hz))



Both C-Arm and workstation are light and compact for easy transportation and maneuverability. Balanced weight distribution and user friendly steering provide for "push or pull" operation.



EasyOp user friendly, one button operation of all functions.



On-screen orientation indicator allows image rotation to indicated position without generating X-rays.

T.V. Camera

- High resolution CCD camera
- Full frame capture
- 360° motorized rotation (auto home position)
- On-screen orientation indicator (real-time feedback without fluoro)
- Left-right image reversal
- Top-bottom image reversal
- Negative mode
- Bandwidth: 10.5MHz
- Video signal: Standard RS 170A
- 60Hz, 525 line
- Aspect ratio: 4:3
- Computer controlled features:
 - Gain
 - Blanking
 - Camera iris

Video Monitors

- Dual 16" square, black etched anti-glare, anti-static
- 525 lines, FastScan flicker-free 73Hz non interlaced VGA compatible
- Ambient room light sensor
- Multi-LED X-ray "ON" indicator
- Remote window/level controls (optional)

Image Processing

Surgical Platform (Sp)

- 4 image storage with last image hold 640 x 512 x 10 bit
- Frame averaging (low, medium, high)
- One-shot frame integration (low, medium, high)
- Enhanced integration (low, medium, high)
- MARS (motion artifact reduction)
- Patient annotation keyboard
- Digital window/level
- Real-time auto-histogramming
- Negate
- On-line help menus
- Integrated 2-on-1 or 1-on-1 hardcopy camera (optional)
- Laser aimer/localizer (optional)
- Continuous fluoro boost mode up to 12mA (optional)

General Surgical Package (optional)

- Available only with the Surgical Platform (SP)
- 64 image storage with last image hold
 - 16 image collage

Expanded Surgical PLATFORM (ESP)

- Includes all the Surgical Platform (SP) features plus adds:
- 200 image storage with last image hold
 - 6 image storage on 3 1/2" disk (removable)
 - 16 image collage of 200 image disk
 - TrackPad with superkey
 - Variable edge enhancement (TrackPad)
 - Variable zoom & roam (TrackPad)
 - Patient directory with minified image scroll (TrackPad)
 - Continuous fluoro boost mode up to 12mA
 - Digital Spot Mode
 - Anatomical markers
 - Relative measurement capability (Track Pad):
 - Angles
 - Widths
 - Lengths
 - Procedural dose log (mA, kVp, time, patient)
 - Integrated S-VHS VCR (optional)
 - Multi function infrared remote control (optional)
 - 4 fps or 15 fps digital disk (optional)

Basic Vascular Module (optional)

- Available only with the Expanded Surgical Platform (ESP)
- Pulsed fluorography mode up to 40mA
 - Real-time subtraction
 - Roadmapping with peak opacification
 - Relative measurement capability (TrackPad)
 - Percent stenosis
 - Lengths, widths
 - Angles
 - Integrated S-VHS VCR (optional)
 - 8 fps digital disk
 - Record/play rate: 8 fps
 - Record time: 20 seconds
 - Image storage: 160 digital images
 - Instant image access with TrackPad
 - Synchronized to pulse with generator; CCD camera and image processor

Vascular Module (optional)

- Available only with the Expanded Surgical Platform (ESP)
- Pulsed fluorography mode up to 40mA
 - Real-time subtraction
 - Roadmapping
 - Peak opacification
 - Re-registration (TrackPad)
 - Variable landmarking (TrackPad)
 - Mask save/recall
 - Relative measurement capability (TrackPad):
 - Percent stenosis
 - Lengths, widths
 - Angles
 - Integrated S-VHS VCR (optional)
 - 4 fps digital disk
 - Record/play rate: 1, 2 or 4 fps
 - Record time: 22, 11 or 6 minutes
 - Image storage: 1,350 digital images
 - Instant image access with Track Pad
 - Synchronized to pulse with generator; CCD camera and image processor:
 - 15 fps digital disk (optional)

Neurovascular Module (optional)

- Available only with the Expanded Surgical Platform (ESP)
- Pulsed fluorography mode up to 40mA
 - Real-time subtraction
 - Roadmapping
 - Peak opacification
 - Re-registration (TrackPad)
 - Variable landmarking (TrackPad)
 - Mask save/recall
 - Relative measurement capability (TrackPad):
 - Percent stenosis
 - Lengths, widths
 - Angles
 - Integrated S-VHS VCR (optional)
 - 30 fps digital disk
 - Record/play rate: 1, 2, 4, 8, 15 or 30 fps
 - Record time: 150, 75, 40, 20, 10 or 5 minutes
 - Image storage: 9,000 digital images
 - Instant image access with TrackPad
 - Synchronized to pulse with generator; CCD camera and image processor

Hardcopy Options

- Radiographic film capability
- Integrated hardcopy camera 8" x 10" 2-on-1 or 1-on-1 formats
- Thermal printer
- Digital laser camera interface - P 831 protocol
- DICOM 3.0 interface

System Control

- Entire system is computer controlled software upgradeable
- Multi function infrared remote control (optional)
- Hand held X-ray remote control
- Multi function footswitch

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