

OEC 9800 C-Arm



The GE OEC 9800 C-Arm is a multi-application mobile X-ray imaging system that provides solutions for the most demanding needs in Pain Management, General, Orthopedic, Vascular, Neurovascular and Cardiac Surgeries. The OEC 9800 is the benchmark for fluoroscopy applications and X-ray technology.

Integrity Medical Systems, Inc.

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www.integritymed.com

X-Ray Tube

- Rotating anode X-ray tube
 - Focal spots: 0.3 mm and 0.6 mm
 - Anode heat capacity: 300,000 HU
 - Anode cooling rate: 60,000 HU/min
 - Housing heat capacity: 1,600,000 HU
 - Anode diameter: 3.1 in
 - Anode angle: 10°
 - X-ray tube cooling fan
- (Vascular, Neurovascular & Cardiac units)

Generator

- 60 kHz High frequency
- 15 kW full-wave
- Up to 120 kVp
- Up to 75 mA for radiographic film exposures
- Continuous fluoro boost mode up to 20 mA
- Pulsed fluoro mode
- Pulsed fluorography mode up to 40 mA (opt)
- Full power from outlet:
 - 50 Hz or 60 Hz
 - 100V-15A to 240V-10A
- Patented energy buffer design

Specialty Packages Available

- GSP
- ESP
- ESP 8 FPS
- Vascular
- Vascular 8/15 FPS
- Neurovascular 30 FPS • Cardiac 30 FPS
- Super C

Collimator

- Iris collimation with dual opposing semi-transparent leaf shutters allow elliptical, round and rectangular collimation
- Minimum beam size < 5 X 5 cm²
- Iris and shutters are continuously variable
- All functions remotely controlled from the C-Arm control panel

Digital Spot Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 1.0 – 75 mA
- Automatically terminates exposure and stores enhanced image to storage archival disk

Radiographic Mode

- Focal spot: 0.3 mm or 0.6 mm
- Focal spot automatically selected
- kVp range: 50 – 120 kVp
- 0.3 mm - mAs range: 1 – 100 mAs
- 0.6 mm - mAs range: 110 – 300 mAs

Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 0.2 – 10 mA normal mode
- mA range: 0.2 – 20 mA continuous Fluoro boost mode
- Auto and manual modes
- Continuous, one-shot or pulsed operation
- ABS varies mA, kVp and camera gain
- User specific ABS tables

Pulsed Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 0.2 – 10 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

Pulsed Fluorography Mode (optional)

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: Up to 40 mA
- Pulse rate: 1, 2, 4, or 8 pulses per second
- Pulse width: 30 or 50 milliseconds
- Computer controlled camera iris, mA, kVp, & camera gain

Video Imaging System Image Intensifier 9 in Image Intensifier

- Tri-mode 9 in/6 in/4.5 in image intensifier
 - 9 in.: 2.3 lp/mm
 - 6 in.: 3.2 lp/mm
 - 4.5 in.: 3.8 lp/mm
- DQE: 65% (typical)

12 in Image Intensifier (optional)

- Tri-mode 12 in/9 in/6 in image intensifier
 - 12 in.: 1.7 lp/mm
 - 9 in.: 2.3 lp/mm
 - 6 in.: 3.0 lp/mm
- DQE: 65% (typical)

Video Monitors

- Dual 16 in, black etched, anti-glare, anti-static
- Touch Screen Display
- Ambient room light sensor
- Multi-LED X-ray “ON” indicator
- Remote window/level controls

Video Camera

- High resolution CCD camera
- 1,004 x 1,004 pixels
- Full frame capture
- 360° motorized rotation
- On-screen orientation indicator (real-time feedback without fluoro)
- Left-right image reversal
- Top-bottom image reversal
- Negative mode
- Computer controlled features:
 - Gain
 - Blanking
 - Camera iris

Hardcopy Options

- Thermal printer (optional)
- DICOM (optional)
- Image Capture Device (optional)
- Laser aiming device (optional)

Dimensions

Base Dimensions

- Height: 69 / 87 in (1734 / 2191 mm)
- Width: 33 in (838 mm)
- Length: 79 in (1994 mm)
- Weight: 720 lbs

Workstation Dimensions

- Height: 64 in (1632 mm)
- Width: 27 in (692 mm)
- Depth: 27 in (692 mm)
- Weight: 430 lbs.

Actual configuration on the unit may vary.
Contact a sales representative for a complete list of details.

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