671-B40120 - XR PORT C-ARM, VAMC SAN ANTONIO, TX, REDACTED
BENCHMARK

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1	OEC 9900 Bliley.' Digital Mobile Standard C•arm VasMTS (Vascular MTS Platform with 30 fps digital disk and 12"1.I.)
1	12" Twelve Month Extended Warranty, 9900
1	12"1.1. laser almerllocalizer (with removable cross hairs) & supplement
1	MI Spectre Wireless Foot Switoh/Hand Switch System for OEC 9800 and 9900 Mobile 0-arms; includes 1 Fland Control, 1 Foot Control, 1 Receiver/Adapter, and Charger Bases.
	0900 Service Technical Training, 2 Weeks — Full Course. Training must be completed (1) one year from Installation of System.

the requirement is service school for 2 techs for three
units. Not 2 service schools for each offer.

CEO 9900 Efitem Digital Mobile Standard O-arm VasMTS (Vascular MTS Platform with 30 fps digital disk and 1211)

High performance mobile C-arm for use in vascular and endovascular procedures. Provides flexible mechanical features, rotating anode x-ray tube, user-friendly touch screen user interface, *and superb* **image quality.**

The physical dimensions and the open design of the C-arm allow the system to be easily transported throughout the hospital and provide unobstructed Imaging access around the patient and procedural table.

Digital image Processing and Workstation

   - Dynamic Range Management (ORM) controls for image management
   - Six pre-set imaging profiles for optimized anatomical capture
   - Dual articulating, high resolution flat screen black & white monitors
   - integrated keyboard touchpad - cursor/tap controls
      DICOM 3.0 interface with send and query/retrieve
   - CD/DVD on-board media storage, read/Write compatible
   - USB 2.0 mass storage device, write only, .fpg/.bmpLavi fife formats

Generator

   - 60kHz high frequency
   - 15kW power
   - Up to 120kVp
   - Up to 75mA for radiographic film exposure
   - Continuous high level fluoro (HLF) up to 20mA
   - Digital spot up to 75mA
   - Full power from standard wall outlet
   - Patented battery buffered design

X-ray Tube

   - Rotating anode X-ray tube
   - 0.3mm and 0.6mm focal spots

- Anode heat capacity: 300,000 HU (per IEC 60613)
- Anode cooling rate: 85,000 HU/min.
- Housing heat capacity: 1,600,000 HU
  Standard housing cooling 22,500 HU/min.

Digital Image Rotation

- Digitally adjusts image display
- Automatic image update
-     Image rotation
-     image reversal (side-to-side)
  image invert (top-to-bottom)
- Image positioning without additional exposure

PreVfewm Collimator

- On-screen collimator position indication
  PreViewiM iris collimator
- PreViewlm Tungsten rotatable double leaf collimator
- Adjusts collimators without X-ray exposure

Moro Mode

- kVp range: 40 -120
  mA range: 0,2 -10
          1.0 20 FiLr (high level fluoro)
- Auto and manual fluoro modes
  AutoTrakul ABS varies mA, kVp, camera gain

Pulsed Fluoro Mode

  kVp range: 40 - 120
- mA range: 0.2 -10
- Pulse rate: 1,2,4,8
- Pulse width: 25 or 50ms
- AutoTrakni ABS, mA, kVp, camera gain
- Reduces X-ray dose to patient and operator

High Level Pulsed Fluoro

- kVp range: 40 - 120
- mA range: 1- 40
- Pulse rate: 1,2,4,8
- Pulse width: 25 or 50ms
- AutoTrakm ABS, mA, kVp, and camera gain

Digital Clue Pulse Mode

  kVp range: 40 -120
- mA range: up to 150
- Pulse rate: 15 or 30pps 60 Hz, 12 or 25pps 60Hz
- Pulse width: lOrns
- AutoTraklM ABS, mA, kVp, camera gain

Digital Spot Mode

- kVp range: 40 120
- mA range: Up to 75
- Automatic exposure termination and automatic Image save

Radiographic Mode

Qty	Description

- mA range: tip to 75
- rnAs range: up to 300
- Computer controlled exposure time

12" image Intensifier

Tri-model2"/9^1/6" (31cm/23cm/16cm) image intensifier
- Minimum central resolution (at the monitor);
- 12" (31an): 1.6 ip/min
- 9" (23cm): 2.2 1pfrrim
- 0" (15cm): 2.6 ip/rnm
OQE: 65% (typical)

Precision imaging with Dynamic Range Management (DRM)
enhances features of interest while attenuating background noise.

Preset Imaging Profiles:
9800
General
Orthopedic
Spine
Vascular
Bolus Chase

AutoTrakTm

- Automatic Brightness Stabilization (ABS)
- Automatically seeks the subject anatomy anywhere within the
Imaging field and selects the optimum Imaging technique
- Automatically adjusts to anatomical size and location
- Provides uniform Image quality throughout entire image
- Simplifies operation

Image Quality

- Smart Window:
-      Dynamically senses the collimator position and automatically
adjusts brightness and contrast to produce high image quality.
- Smart Metal:
-      Allow user to adjust automatic brightness and contrast sensitivity
levels to metal;
-      Provides optimum image quality even when metal is introduced
to the field.
- Tungsten Collimator:
Denser collimator limits X-ray exposure area
Reduces scatter radiation
Improves image detail

Video Camera

- High resolution ik x 1k CCD camera
- Full frame capture
- Motorized rotation
- On-screen orientation indicator (real-time feedback without fluoro)
Left-right image reversal
- Top-bottom image Invert

Video Display

• Dual display anti-glare, LCD flat panel monitors mounted on an
articulating arm:
-      22" horizontal travel
-      7° up/10° down

Monitors viewable from all four sides of workstation
- Horizontal and vertical viewing angle 170°
- 1200 CD/M2 maximum brightness
Touch *screen* system control
- 1260 x 1024 high resolution monitors
- OEC 9900 TechView Reference Monitor:
- 9" LCD Display mounted at C-arm mainframe
Reference quality real-time video of left live-image C-arm
270° rotation, +30/-5° tilt

Vascular MIS Platform

1k x 1k x 16 bit image processing
Preset Imaging Profiles:
9800
General
Orthopedic
Spine
Vascular
- Bolus Chase
- Noise filter with on-screen indicator
- Minimal difference spatiotemporal noise filter (MOST)
- Real-time dynamic *range* management (DRM)
- Automatic digital brightness and contrast control
- Manual digital brightness and contrast control
- Negate mode
Save and auto-save feature
- Swap and auto-swap feature
- Patient information:
- Examination list
- Customized patient Information
- Customize functions:
- Workstation set-up
- Mainframe set-up
- Patient Information set-up
- Date/time set-up
DICOM interface set-up
- Last Image hold
- 1000 Image storage
- CO/OVO burner with DICOM viewer for displaying images on PC
platforms 512 612 or lk x 1k
- Integrated DICOM interface (store, print, worklist, and
query/retrieve)
HIPAA SecureView:
Password protection
Blank screen function
Delete all
Zoom and roam function
Image annotation
- Measurement software
Real-time digital subtraction (DSA)
- Peak opacification
Roadmapping
Re-registration
Variable landrnarking
Mask save/recall
Motion tolerant subtraction (MTS)
Digital eine pulse mode:
30 pulses/sec 60Hz (25 pulses /sec 60Hz)
Up to 150mA
10ms pulse width
30lps Dynamic digital disk 60 Hz (25 pulses/sec, 60Hz):

- Recording/playback rate; 1,2,4,8,16, 3Ofps 60 Hz (1,2,4,8,12,25, 50 Hz)

Recording time: 10 minutes @ 30fps 60 Hz (time depends on record frame rate) (25 *fps,* 60 Hz)

User Interface

- Entire system Is computer controlled and software upgradeable
- Touchscreen control simplifies operation
- Automated system operation requires minimum operator interface
- Multi-functional controls:
- Footswitch
- Hand-held control
- Simplified keyboard with Integrated touchpad
- Multi-purpose image directory:
- Retrieve and review images
   Compose hardcopy films
- Copy images
- X-ray dose summary

C-arm Mechanics

- Counterbalanced, manual adjustment of orbital rotation, cranial-caudal rotation, wig-wag and horizontal motion
- Patented flip-flop C-arm reversal (SmartView)
- 31" free space, 28" depth in arc, 115° orbital rotation
- Dual, Illuminated C-arm operator control panels

OEC Clinical Excellence Onsite Training

- Pre-training package with interactive CD-ROM
- Up to three days* of in-service by our ARRT certified Clinical Imaging Specialists (CIS) during the one-year warranty period.
- Post-training skills assessment & test
- Participants may be eligible for Continuing Education (Cs) credits from the American Society of Radlologic Technologists"

Warranty

- One *Year* Warranty

Notes: *WSP* - Wireless Service Platform

- The OEC 9900 comes with a device called the WSP which facilitates these capabilities:
   USB 2.0 mass storage. The MB functionality is write only, and saves images in JpgbrnpLavi fife formats. USB storage devices must *be* unencrypted and unprotected.

Notes: OEC Clinical Excellence Onsite Training
*Onsite training provided from 8am to 5pm, Monday through Friday. Includes all CIS travel & living expenses.' [k] Training produces the best results when a dedicated core group of technologists complete the session. Those who complete the entire OEC Clinical Excellence curriculum should be competent to perform the tasks required for basic operation of the system. Competency will be measured through a skills assessment completed while the CIS Is on-site.

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12" LI. laser almerilocallzer (with removable cross hairs) & supplement

MI Spectre Wireless Foot Switch/Hand Switch System for OEC 9800 and 990D Mobile C-arms; includes 1 Hand Control, 1 Foot Control, 1 Receiver/Adapter, and Charger Bases.

Customizable and ergonomic fluoro access from anywhere in the OR without cables and clutter.

  - Plug and play connectivity
  - Encrypted Bitietooth transmission
  - Factory mated units — Invisible to other devices
  - 60 foot range
  - One year warranty
  - Complete package, everything needed to add wireless controls to your 9800 or 9900 C-arm

9900 Service Technical Training, 2 Weeks — Full Course. Training must ho completed (1) one year from installation of System.

OPTION ITEMS
Please Initial by Net Price Items you wish to Purchase

Qty	Description
1	OEC 9800 Trade In: 82-1013
1	OEC 9800 Trade In: 824072
1	OEC 0800 Trade In: 82-7174-MH

one trade in to be used on each offer