

Functional Requirements for  
**Digital Mobile Mini C-arm**  
Fargo VA Health Care System (437)  
618-B69030

*This document highlights the technical specifications and services being requested by VISN 23 for consideration toward purchase of Digital Mobile Mini C-arm systems. This equipment will be used during orthopedic and podiatry procedures. Offerors under this proposal shall provide all equipment and accessories, installation services, training, and project management support.*

**Technical Requirements:**

1. Flat detector
2. Full range of motion (Minimum 120°)
3. Depth of the c-arm – Minimum 12 inches
4. Motion and metal detection
5. Automatic image replay
6. Proposed solution shall not be Windows XP, Windows XP Embedded, or any earlier operating system.

**Tube head:**

1. Controls (for use by surgeon)
2. Centering/alignment light

**Monitor:**

1. Touchscreen–*touchscreen is preferred but not required*
2. Resolution – High Definition
3. Tilt-and-swivel capabilities
4. Lightweight

**Accessories:**

1. Foot pedal – *wireless is preferred but not required*
2. Keyboard that can be sanitized
3. Forward tube source, which will provide unmatched arch depth for greater flexibility - *preferred but not required*
4. Flat surface beneath the detector, which allows for efficient table-top positioning
5. DVD/CD or USB drive – *DVD/CD is preferred but not required*

**Training**

1. On-site – clinical applications during go live
  - a. Two days – 8 hours per day at a minimum
2. Follow up applications training to be provided after technologists have hands-on experience with the system. No earlier than 6 months after installation.
  - a. Two days – 8 hours per day at a minimum
3. One Biomedical technician training- tuition and travel
4. Quick notes – or reference guides to be provided during on-site training
5. Same clinical applications trainer for each site who must be cleared through VISN 23 workgroup

**Warranty and Service:**

1. VPN/Remote Access – The vendor shall provide, at no additional charge, any and all equipment service programs, such as remote diagnostics, during the warranty period. The vendor shall provide post-warranty remote diagnostic service program as an “Add Option” with the offer. The system shall provide Vendor Remote Diagnostics via VPN. Vendor shall utilize the VA national Site-to-Site VPN, or the vendor shall work with the Office of Cyber and Information Security and the VAMC Information Security Officer to establish a Client-Based VPN.
2. Service and Operator Manuals – The vendor shall provide the following documentation for the proposed system:
  - Two (2) copies of operator's instruction manuals (one electronic and one paper copy)
  - Two (2) copies of complete technical service manuals including detailed troubleshooting guides, necessary diagnostic software, service keys, schematic diagrams, and parts lists (one electronic and one paper copy)
3. Minimum Warranty – The system and accessories shall be covered under the manufacturer’s warranty, and shall include all parts and labor for one year following acceptance by the VAMC. This warranty must include PMs as required by the manufacturer. The manufacturer’s factory-trained field service personnel shall perform installation and maintenance during the warranty period.

**Information to be provided by each vendor:**

1. Provide brochures and spec sheets (to include dimensions and weight of the system)
2. Provide us information about what sanitization material/products can be used on the equipment wireless
3. DICOM Conformance Statement
4. Provide IHE integration statement
5. Completed Pre-procurement Assessment form (6550)
6. Provide detailed information about the curriculum and length of the Biomedical Technical Training.
7. Information about support structure during the warranty period
  - a. Describe online or telephone applications support and availability
  - b. Provide a listing of Field Service Engineer locations and availability

**Trade in**

Manufacturer: Hologic  
Model: Insight 2  
Acq. Year: 1/14/2009  
S/N: 09-1208-03  
EE# 18848