REQUESTING SERVICE: SURGERY
SHIP TO: SUPPLY WAREHOUSE
V.A. Medical Center
 510 BUTLER AVENUE
 BLDG 500, ROOM GD100
 MARTINSBURG, WV 25405

REQUISITION: 613-B81005

Line #	Description	Qty
1	**CX50 2D xMATRIX**	1

Interface:
• 15.0 inch high resolution display with wide viewing angle
• Quick Keys and Active Mode
• Laptop style Alphanumeric QWERTY keyboard
• 8 TGCs and 2 LGCs
• Ergonomic carrying handle
• Includes AC adapter, power cord and system battery pack
• 500 GB hard drive
• Internal DVD RW drive

Architecture:
All-digital compact broadband beamformer, Microfine 2D focusing with Dynamic Focal Tuning that includes Advanced XRES signal processing, 170 dB full time input dynamic range 504,576 digitally processed channels, Windows Embedded Standard 7 Operating System, Continuously variable steering in 2D, color and Doppler modes 2D Opt signal processing with 4X multi-line parallel processing and frequency compounding. Windows Embedded Standard 7 Operating System.

Intelligent Controls:
The CX50 has been designed to make portable exams easy and efficient. With a single button, iSCAN technology automatically samples data for a new level of 2D and Doppler optimization iSCAN one-touch Intelligent Optimization, iSCAN one-touch Intelligent Color Optimization, iSCAN Doppler one-touch optimization.

Smart Exam: provides easy to use, customizable guides that help the clinician complete studies on every patient. An on screen menu, guides the clinician through the required views for a specific exam type, automatically enters annotation and build the patient report.

Needle Visualization: When used in conjunction with the L12-3 or L12-5 50 linear transducers, Needle Visualization utilizes advanced electronic beam-steering technology to enhance viewing of the needle to assist the user in guiding the needle to the target anatomy.

Transducers:
The CX50 Cardiology system supports the compact family of transducers including S5-1, S12-4, S8-3, X7-2t, S7-3t, L12-5 50, L12-3, L15-7io, C8-5, D2cwc and D5cwc (Clinical Option/Clinical Package dependent).
All transducers provide breakthrough frequency bandwidths and array configurations. These transducers also have ergonomically designed lightweight flexible cables and compact connectors.

Modes:
• 2D
• M-mode
• Anatomical M-mode
• Color M-mode

• Pulsed Wave Doppler
• Color Power Angio (CPA)
• Continuous Wave Doppler
• Invert and Color Invert
• Color compare mode
• Dual mode
• Duplex for simultaneous 2D and Doppler
• 2D Optimization Signal Processing
• Live Compare
• Tissue Harmonic Imaging (THI)
• Reconstructed zoom with pan (read zoom)
• Write zoom
• Pulse Inversion Harmonic imaging
• Adaptive Doppler
• Adaptive Color Doppler
• Color Tissue Doppler imaging
• Pulsed Wave Tissue Doppler imaging
• Active Native Data - manipulation of image data

DICOM Networking
• Ethernet @100Mb/second Includes DICOM wired and wireless g and n.
• Provides DICOM 3.0 network print and store and storage commitment
• Performed Procedure Step
• Modality Worklist
• DICOM Structured Reporting

Cineloop review
On-board workstation-class data management with thumbnail previews and storage of images, loops, and reports. Retrospective and prospective clip capture to internal drive or removable media

Integrated DVD/CD burning capability for storage of images or export in DICOM, JPEG and .avi for PC compatibility. Philips DICOM viewer option to imbed in media transfer for easy viewing of study on most PCs.

Maintenance and Serviceability
• Remote Access for Expedient Clinical and Technical Support
• Flexible Service Agreements
• Clinical Application and Educational Support
• Scheduled Preventative Maintenance and System Optimization

Security-related features
• Firewall policy blocks all unnecessary ports
• Operating System hardening
• OS settings utilizing the DISA STIGS
• Disable unnecessary services
• Disable auto-run for removable media

System Access Control
• No restrictions – users may perform exams and access all previously completed exams or MWL data
• Only patient data is locked – users may perform exams without requiring a login, but must successfully log in prior to accessing previously completed exams or Modality Worklist data.
• Complete system is lockable – users and administrators must successfully log in prior to any system access

Local User Management
• Support for multiple unique user accounts
• Support for multiple unique administrator accounts

Line #	Description	Qty

Remote User Management
• Supports active directory authentication utilizing LDAP (system may not be joined to the domain)
• Support for individual accounts or AD groups for users and administrators
• May utilize LDAP or secure LDAP

Auto logoff
• Automatically logs off a user after the specified period of inactivity, user selectable
Hard drive encryption
• System supports various hard drive encryption policies including:128 bit, 128 bit with diffuser, 256 bit,
256 bit with diffuser Audit log export
• Available protocols are UDP or TLS
Media export security
• Provides the ability to disable export of patient data to removable media

Clinical Education

1 Day PAS Onsite - Ultrasound system or upgrade onsite training provided by a PAS (Product Applications Specialist) for specific system applications or upgrades; not per modality. *Education is provided Monday - Friday during normal business hours.* Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by the department director. *Repeat training for staff non-attendance will not be accepted.* Site must be patient-ready to meet training expectations. All onsite training day expires within 90 days from system or upgrade installation date. Exceptions are for 3D Stress onsite training (which expires 9 months from system or upgrade installation date) and Fusion & Needle Navigation onsite training (which expires 180 days from system or upgrade installation date).

THE NUMBER OF ONSITE TUITIONS YOU RECEIVE MAY VARY BASED ON PURCHASED OPTIONS. PLEASE CONSULT YOUR SALES REPRESENTIVE FOR FURTHER DETAILS

All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.

2	**Adult Echo / Live xPlane Clinical Package**	1

Includes Adult Echo and Live xPlane Clinical options

Adult Echo Clinical Option
Tissue Specific Imaging software for adult cardiac ultrasound applications. Display optimization software with Tissue Specific presets for adult cardiac imaging and Doppler applications. Analysis software package includes cardiac imaging protocol measurements and configurable reports and finding codes. Active native data for post-process optimization and advanced XRES adaptive image processing for improved tissue conspicuity. iSCAN intelligent one-button optimization for adaptive gain compensation in 2D, Doppler, Tissue Doppler Imaging and LVO contrast functions. Includes Live compare mode, cardiac High-Q Automatic Doppler Analysis and respiration waveform from chest impedance. Allows operation of S5-1, Compact X7-2t and D2cwc transducers.

Live xPlane Clinical Option
Simultaneously acquires and displays two full-resolution planes, in real time. Allows independent control of tilt and rotation of second plane relative to first plane. Option requires use of X7-2t TEE xMATRIX array transducer.

Line #	Description	Qty
3	**Stress Echo**	**1**

Provides default protocols for 2, 3 and 4 stage pharmacological, customizable protocols up to 8 stages, 8 views and options for single, quad and multicycle acquisition. Includes Gain Save feature, add stage, add view, select multiple images, reject view, skip view, edit stage, edit view, accept stage, end stage. Ability to relabel images, pause protocol/ resume protocol or interrupt protocol. Display in normal sequential order or by stage or view.

4	**Cart**	**1**

Highly mobile cart that includes: 4 swivel wheels with 4 locking casters, rear handle, micropositioning grips, quick-connect tray, utility drawer, storage shelf, footrest, internal isolation transformer, B&W printer brackets, integrated transducer connector holder, gel holders and cable management. Includes USB hub for additional connectivity.

5	**Additional Battery Pack**	**1**

A multi-cell Lithium polymer smart battery pack that is internal to the CX50. Complies with UL1642, Standard for Safety for Lithium Batteries. 6.4 Amp-Hours minimum (16.8V to 10.8V) 5.17" X 5.360" X 1.14", 840 g.

6	**USA Power Cord**	**1**

7	**Government Security**	**1**

Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.

8	**S5-1 Transducer**	**1**

Features compact connector designed for reliability and improved ergonomics. Manufactured in accordance with the European Union's Restriction of Hazardous Substances (RoHS) directive.

PureWave crystal Sector array transducer with 5 to 1 MHz extended operating frequency range for adult cardiology, abdominal, vascular, TCD and Acute Care.

9	**D2CWC Transducer**	**1**

Non-imaging 2 MHz PW/CW Doppler transducer for cardiac applications

10	**0**	**English Manual**	**1**

Operation Manual

11	**Trade in Allowance**	**1**

Customer represents and warrants that (i) Customer has, and shall hav
and marketable title to the equipment being traded in and (ii) has the authority to effect such trade in.
Product: CX50
Serial Number: SG41000512
Manufacturer: PHILIPS HEALTHCARE SYSTEMS