

**100662 CX50 CompactXtreme**

**System Type:** New  
**Freight Terms:** FOB Destination  
**Warranty Terms:** Part numbers beginning with two (2) asterisks (\*\*) are covered by a Per Contract. All other part numbers are third (3rd) party items.  
**Special Notations:** Contingencies must be removed 120 days before scheduled shipment to assure delivery on specified date. Any rigging costs are the responsibility of the Purchaser.  
**Additional Terms:**

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

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Line #	Part #	Description	Qty
		<ul style="list-style-type: none"> <li>• Pulsed Wave Doppler</li> <li>• Color Power Angio (CPA)</li> <li>• Continuous Wave Doppler</li> <li>• Invert and Color Invert</li> <li>• Color compare mode</li> <li>• Dual mode</li> <li>• Duplex for simultaneous 2D and Doppler</li> <li>• 2D Optimization Signal Processing</li> <li>• Live Compare</li> <li>• Tissue Harmonic Imaging (THI)</li> <li>• Reconstructed zoom with pan (read zoom)</li> <li>• Write zoom</li> <li>• Pulse Inversion Harmonic imaging</li> <li>• Adaptive Doppler</li> <li>• Adaptive Color Doppler</li> <li>• Color Tissue Doppler imaging</li> <li>• Pulsed Wave Tissue Doppler imaging</li> <li>• Active Native Data - manipulation of image data</li> </ul>	
		DICOM Networking	
		<ul style="list-style-type: none"> <li>• Ethernet @100Mb/second Includes DICOM wired and wireless g and n.</li> <li>• Provides DICOM 3.0 network print and store and storage commitment</li> <li>• Performed Procedure Step</li> <li>• Modality Worklist</li> <li>• DICOM Structured Reporting</li> </ul>	
		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	
		DICOM viewer option to imbed in media transfer for easy viewing of study on most PCs.	
		Maintenance and Serviceability	
		<ul style="list-style-type: none"> <li>• Remote Access for Expedient Clinical and Technical Support</li> <li>• Flexible Service Agreements</li> <li>• Clinical Application and Educational Support</li> <li>• Scheduled Preventative Maintenance and System Optimization</li> </ul>	
		Security-related features	
		<ul style="list-style-type: none"> <li>• Firewall policy blocks all unnecessary ports</li> <li>• Operating System hardening</li> <li>• OS settings utilizing the DISA STIGS</li> <li>• Disable unnecessary services</li> <li>• Disable auto-run for removable media</li> </ul>	
		System Access Control	
		<ul style="list-style-type: none"> <li>• No restrictions – users may perform exams and access all previously completed exams or MWL data</li> <li>• 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.</li> <li>• Complete system is lockable – users and administrators must successfully log in prior to any system access</li> </ul>	
		Local User Management	
		<ul style="list-style-type: none"> <li>• Support for multiple unique user accounts</li> <li>• Support for multiple unique administrator accounts</li> </ul>	

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		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: \_\_\_\_\_ 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 RECIEVE MAY VARY BASED ON PURCHASED OPTIONS. PLEASE CONSULT YOUR SALES REPRESENTATIVE FOR FURTHER DETAILS\*\*\*

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

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### Vascular Clinical Option

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CX50: This clinical option includes Tissue Specific Imaging software and SonoCT for Cerebrovascular, Peripheral Vascular, Abdominal Vascular and Transcranial applications. The clinical option includes in- depth analysis and reporting packages for vascular applications including Transcranial Doppler analysis. Freehand 3D is also provided within this clinical option. This clinical option enables the C5-1, S5-1, L12- 3, L15-7io and D5cwc transducers for vascular applications.

This clinical option also includes IMT, Contrast, MVI, and ROI

IMT Q-App – The Intima Media Thickness Q-App provides automated measurements of intima media thickness in carotids and other superficial vessels and eliminates the need to manually position cursors, minimizing the time needed to complete and IMT study

Contrast Q-App - Contrast for general imaging and superficial applications using the C5-1 and L12-3 transducers. Works in Power Modulation (PM), Pulse Inversion (PI), Coded harmonics and flash contrast modes.

ROI Q-App – the Region of Interest Q-App is designed to increase the consistency and reliability of acoustic measurements while reducing the effort required to successfully perform ROI analysis for contrast imaging, tissue analysis and color Doppler.

MVI Q- App– the MicroVascular Imaging Q-App applies a motion compensation algorithm to contrast loops from Philips systems.

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Line #	Part #	Description	Qty
		CX50 POC: This clinical option includes Tissue Specific Imaging software and SonoCT for Cerebrovascular, Peripheral Vascular, Abdominal Vascular and Transcranial applications. The clinical option includes in-depth analysis and reporting packages for vascular applications including Transcranial Doppler analysis. Freehand 3D is also provided within this clinical option. This clinical option enables the C5-1, S5-1, L12-3, L15-7io and D5cwc transducers for vascular applications.	
3		<b>Adult Echo, Clinical Option</b>	1
		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, CX X7-2t and D2cwc transducers.	
4		<b>English Manual</b>	1
		Operation Manual	