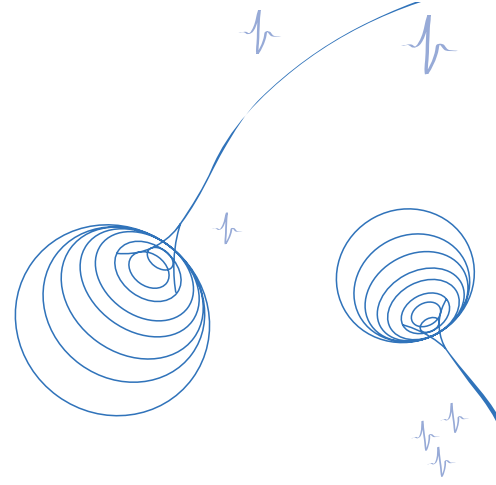GE Healthcare

MARS® Department

Ambulatory ECG/Full Disclosure Holter System

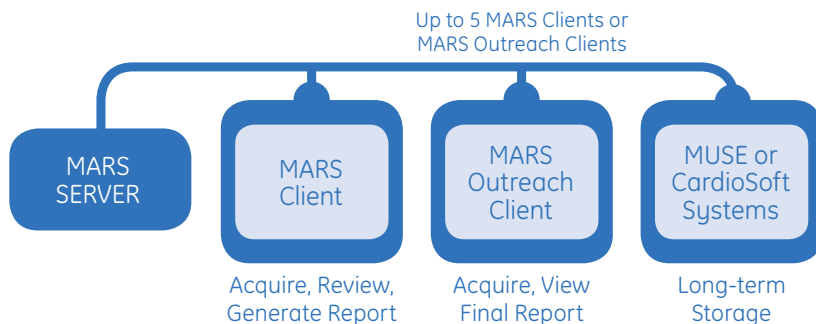**The power to connect across your department**

The MARS Department solution provides Holter analysis and exceptional processing power, plus advanced review and networking capabilities, at your fingertips. Through its secure Web upload capabilities, MARS Department enables data access from sites that are not connected to a LAN, WAN, or VPN, for faster data review and diagnosis.

MARS Department is a scalable solution designed to expand your clinical capabilities while improving data flow and charge capture. It offers the flexibility and capacity to meet the scanning needs of your department or your entire facility—quickly, easily, and cost-effectively.

• Supports up to five MARS clients for data acquisition, analysis, and review; or acquisition and review only

• Complies with your facility's security and access standards while providing encryption and protection of data

• Integrated with the GE Healthcare MUSE® Cardiology Information System and CardioSoft™ Diagnostic System for a complete data solution, including EMR and HIS connectivity

• Software-only option transforms a PC into an ambulatory ECG analysis system

A high standard of review and analysis, from anywhere

Whether performing analysis from a GE-monitored inpatient bed connected to CARESCAPE™ Clinical Information Center™ (CIC) Pro or from a patient's home with one of our recorders, the MARS Department system streamlines workflow with a comprehensive suite of scanning techniques, such as Retrospective, Superimposition, Page, Event, and Waterfall methodologies, that provide high-speed analytical capabilities. The clinically driven automated report feature permits customizable clinical definitions for final reports. Different criteria are used for pacemaker, atrial fibrillation, and ventricular ectopy analysis.

Up to 5 MARS Clients or
MARS Outreach Clients

MARS SERVER	MARS Client	MARS Outreach Client	MUSE or CardioSoft Systems
	Acquire, Review, Generate Report	Acquire, View Final Report	Long-term Storage

Analysis programs:
• EK-Pro™ ECG analysis
• Marquette® 12SL™ analysis program for ambulatory ECG
• T-wave Alternans
• Heart Rate Turbulence
• Atrial fibrillation detection
• QT interval measurement
• ST segment measurement
• Heart Rate Variability
• Pacemaker detection

Acquisition:
SEER® Light
SEER Light Extend
SEER 12

Connectivity:
MUSE
CardioSoft

Compatible with a suite of recorders from GE Healthcare—the SEER Light, SEER Light Extend, and the new SEER 12—the MARS Department system delivers high-quality ECG recordings.

The comprehensive suite of the GE Healthcare Marquette algorithms available in MARS puts the power to predict right in your hands. The MARS system applies the breadth and depth of the various risk-scoring analytics to provide physicians with one combined report and enables them to make clinical decisions supported by in-depth validated information.

The GE Healthcare Marquette T-wave Alternans and Heart Rate Turbulence analysis programs assist physicians in predicting patients at risk of Sudden Cardiac Death. These breakthrough algorithms complement the full array of trusted Marquette 12SL measurements, including: EK-Pro ECG analysis, atrial fibrillation detection, QT interval and ST segment measurements, Heart Rate Variability, and pacemaker analysis.

MARS Department

Specifications	
Processor type	Intel® Core™ 2 Duo 2.13 GHz
RAM	1G
Minimum graphics	1024 x 768
Hard drive capacity	160G
Optical storage, DVD	4.7G RW
Serial ports	2
USB ports	6
Parallel ports	1
Network interface	10/100/1000 (100+ recommended)
Keyboard	PS/2
Pointing device	Mouse PS/2

Specifications—cont.	
Desktop computer dimensions	
Height	3.94 in. (10 cm)
Depth	15.0 in. (38 cm)
Width	13.4 in. (34 cm)
Weight	19.6 lbs. (8.9 kg)
Operating system	Windows® 2003 R2 Server
Features	
SEER Light Acquisition	Included
SEER Light Extend Acquisition	Included
Card Reader	Optional
Printer options	Laserjet® HP P4015N
DVD archive	Included
Monitor option	**Minimum resolution**
19 in. flat panel LCD	1280 x 1024
MARS Department specifications—software only	
Processor	Performance of an Intel 6400 Core Duo 2.13 GHz
Graphics minimum	1024 x 768
RAM	1G with SEER 12 or monitoring data acquisition
Network interface	10/100/1000
Network interface supporting monitoring acquisition and/or SEER 12 use	100/1000
Operating system	Windows 2003 Server (32 bit), Windows 2008 Server (32 bit)
Hard drive capacity	160G with SEER 12 or monitoring data acquisition
Archive	CD-RW, DVD-R, DVD-RW, Network drive
Parallel ports	1 if Omni Card Reader is present
Serial ports	1 required (telephone modem)
USB ports	2 free
MARS client specifications—software only	
Same specifications as MARS Department— software only except for:	
Operating system	Windows XP (SP3), Windows 7 (Home Premium, Professional, Ultimate)

The Physician's Resource
for Medical Equipment, Inc.

Sales and Service of Cardiology and Surgical Equipment and Supplies

GE imagination at work