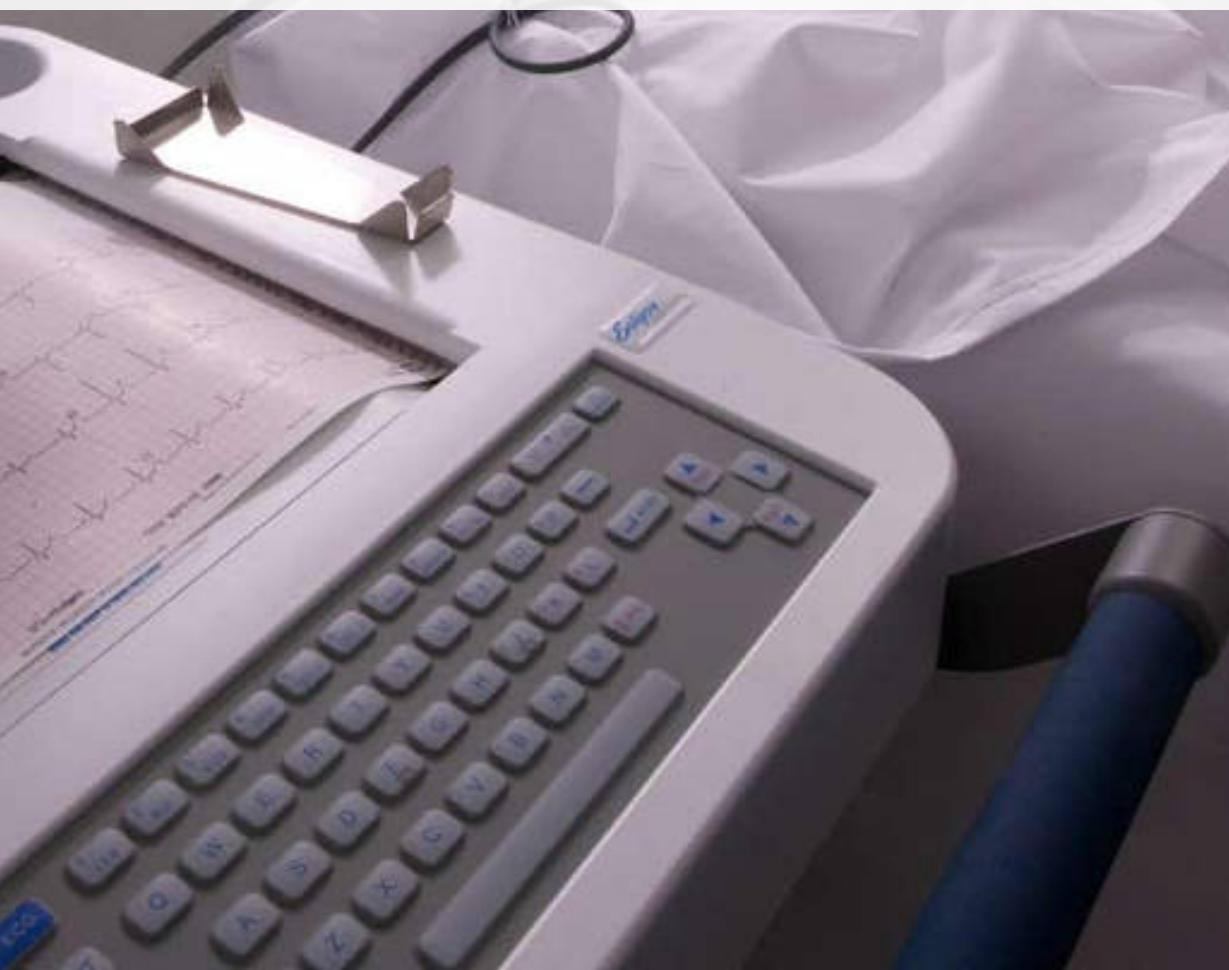




## Solutions for Hospitals

Burdick, HeartCentrix, Powerheart, Quinton



AT THE HEART OF SAVING  
LIVES™

“We cannot have unreliable equipment. We purchased Cardiac Science equipment three years ago and it has not been down one day in three years.”

Nancy Giaimo, CNP  
Barnes-Jewish St. Peter's



# Cardiac Science™ Connects

## The result? Better patient care.

Our diagnostic, resuscitation, and rehabilitation devices perform life-saving work – and, in the process, create a tremendous amount of information vital to proper care. At Cardiac Science, we help customers manage the data, whatever the environment. That means better workflows for you and better care for your patients.

With more than 20 years of informatics knowledge and experience, you can depend on Cardiac Science for solutions that connect to your hospital information (HIS), electronic medical record (EMR), and other information systems.

With us, you can download patient demographics and orders to an ECG cart, upload results to your information system, forward a stress test for review, generate final reports and billing, and more. Our systems can use the patient's enterprise identification number (EIN), support multiple facilities, and let you access patient information from any location at any time.

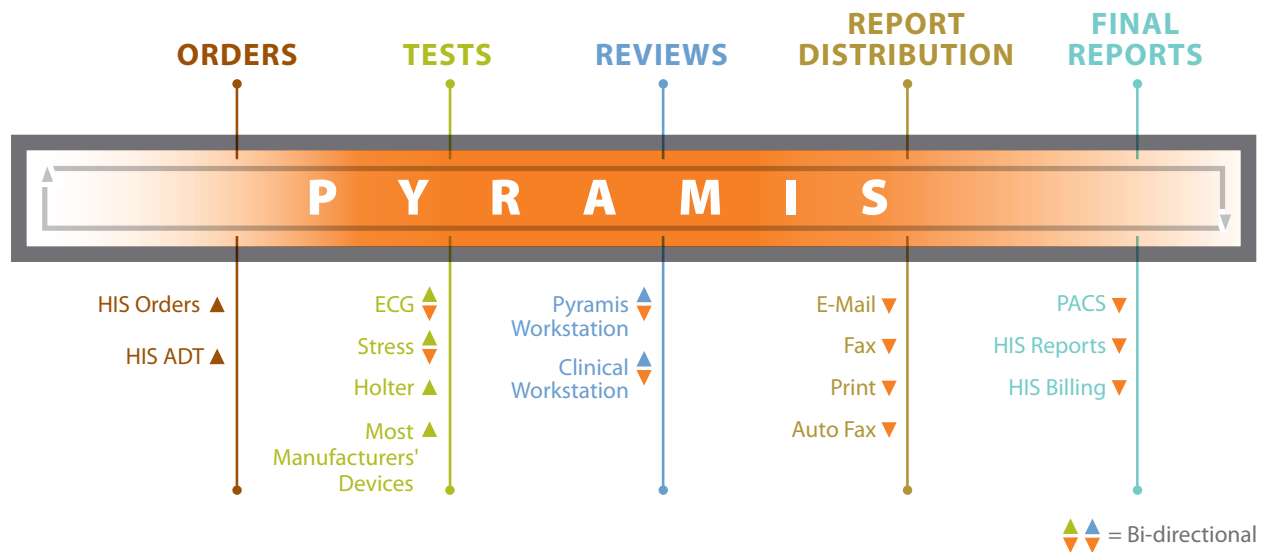
We worked extensively with our hospital, physician, and clinical customers to make products that make sense. Intrigued? Read on and see what a Cardiac Science connection can mean for you.

# HeartCentrix® Data Management

## Patient-connected cardiology care, anytime, anywhere.

HeartCentrix data management centralizes diagnostic cardiology data for rapid access. Pyramis®, our flagship HeartCentrix product for the hospital market, uses open architecture to meet your needs – so there’s no reason to invest in custom software or hardware.

You save time since Pyramis works with Health Level 7 (HL7) interfaces. And Pyramis delivers the accuracy and reliability you expect from the company that brings you Quinton® and Burdick® brands, diagnostic leaders for almost a century now.



- + Technicians love Pyramis because it saves time and eliminates errors. You can download patient demographics and orders, connect with most manufacturers’ devices and upload results, and generate reports – all from a wireless cart. You can use a patient’s enterprise identification number for multi-facility sites.
- + Administrative team members appreciate Pyramis because it electronically captures and transmits charges.
- + Doctors maximize their time because Pyramis is web-based. The doctors can access 12-lead ECGs, stress, and Holter tests within seconds, editing interpretations at the hospital, office, or home.
- + Pyramis is easy to use. It streamlines daily workflow and provides test results when and where they’re needed.
- + Reports are configured the way you want, and a clinical application specialist customized the code list for you.
- + The multi-modality feature supports your preferred ECG (not all data management systems can), and our stress and Holter devices. When paired with most Quinton and Burdick devices, you can enjoy bi-directional communication.
- + The Pyramis implementation team and clinical application specialists are genuinely open and supportive. And for later service and support, our customers can pick up the phone at any time and talk with someone right away.



Pyramis is web-based and connects – anytime, anywhere – so you can access tests, review, and confirm diagnostic tests from home!



You can view and edit key ECG information utilizing customized, user-defined acronyms.

# Quinton® Eclipse™ Premier

## Our top-of-the-line ECG system.

The Quinton Eclipse Premier has everything a hospital needs for interpretive ECG technology. It allows clinicians to receive orders, instantly transmit test results, and make a diagnosis quicker with its 802.11 wireless Ethernet capabilities.

- + It's so easy to use.
- + If you've ever recorded a 12-lead ECG, you'll be able to run the Eclipse Premier within minutes.
- + Use our wireless technology and transmit patient reports from anywhere in the hospital.
- + Upload orders from Pyramis, run tests, and get immediate results.
- + Enjoy the simplicity of its one-touch STAT ECGs, color active matrix display with 90-degree tilt/swivel screen, dedicated keyboard function keys, and intuitive shortcuts.
- + Reduce errors with the wristband barcode scanner – a favorite feature among clinicians.

The Eclipse Premier is durable and dependable. And you'll like the clean tracings and stable baselines it produces – you'll get a clear, usable readout the first time.

## The Glasgow Royal Infirmary algorithm

Working directly with the University of Glasgow, we developed proprietary techniques to “clean” the ECG waveform before it's displayed. In many ways, our program improves upon the basic GRI algorithm, and provides brief and full interpretation statements.

The algorithm considers many clinically significant variables – including gender, age, race, medication, and classification – to interpret patient data. This diverse analysis is critical, since hearts differ greatly depending on demographic and other health conditions.



Streamline your workflow with Quinton Eclipse Premier's wristband barcode reader – save time and eliminate errors.



## Burdick® Atria® 6100

### A simple-yet-sophisticated ECG.

The Burdick® Atria® 6100 is a practical, no-nonsense ECG system with the ability to store up to 300 ECG records. Its standard Pyramis connectivity options include Wi-Fi, Ethernet, and Bluetooth® – sure to improve your busy workflow. This reliable ECG is a terrific value for all the functionality it provides.

- + The large color monitor is clear, readable, and simple to use – even for new or infrequent users.
- + The unit provides continuous 3-, 6-, and 12-lead rhythm viewing.
- + Like the Eclipse, the 6100 uses the University of Glasgow algorithm.



The dependable Burdick Atria 6100  
will improve your busy workflow.

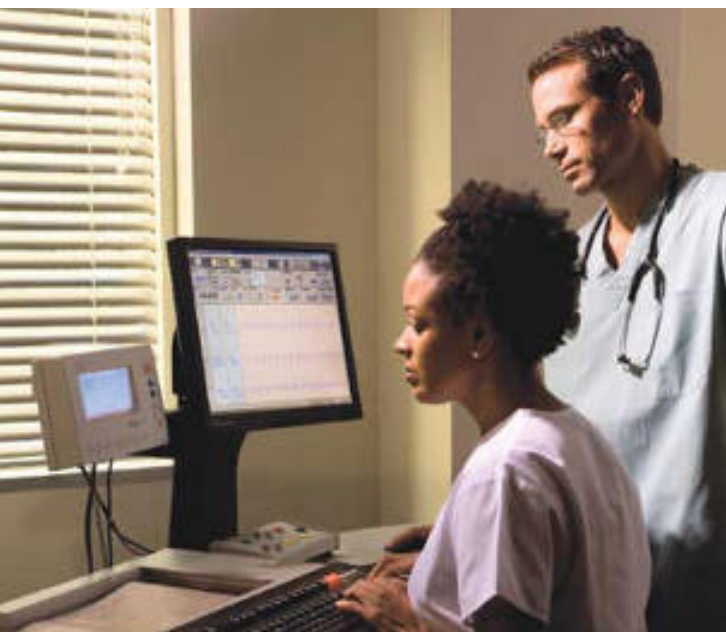
# Quinton® Q-Stress®

## We invented the modern cardiac stress test.

Wayne Quinton's mechanical treadmill, in conjunction with Dr. Robert Bruce's protocol, pioneered the origins of modern cardiac stress testing more than 55 years ago. Today, the Q-Stress cardiac stress testing system is the industry's gold standard. The PC-based cardiac stress system, winner of multiple awards (most recently Frost & Sullivan's Market Engineering Award), is now in its ninth generation.

- + Tracings are accurate and clear, with clean waveforms even at high speeds and grades. Patients will appreciate getting the best test results the first time.
- + With the freeze frame option, you can "rewind" and view any section of any lead during the test. You can "freeze" any ten-second strip and compare it with "live" ECG tracings saving you time and boosting your confidence in the test protocol and results.
- + With the full disclosure option, you can save an entire test as a PDF and send it to your EMR for storage and remote viewing.
- + Quinton Q-Stress connects with virtually everything you need for enhanced workflow and maximum disclosure reports, your HIS/EMR, nuclear camera, echo system, printer, and network storage.
- + Q-Stress offers robust network connectivity, allows you to import patients' demographics, facilitates billing and report archiving, and minimizes documentation errors and lost billing.

Quinton Q-Stress is intuitive, simple-to-use, and dependable.



The cart was designed for your comfort and has a large writing surface.



## Revolutionary treadmills with Ultradrive™

Our Quinton TM55 and TM65 stress treadmills – among the best selling in the world – are powered by Ultradrive, a digitally controlled AC-drive system. Designed to work seamlessly with all Cardiac Science stress systems, the treadmills let you control the speeds and grades remotely. Patients feel safe and confident on our treadmills: they are smooth, quiet, and can carry a 500-pound (228-kilogram) patient.



# Quinton® Q-Tel® RMS

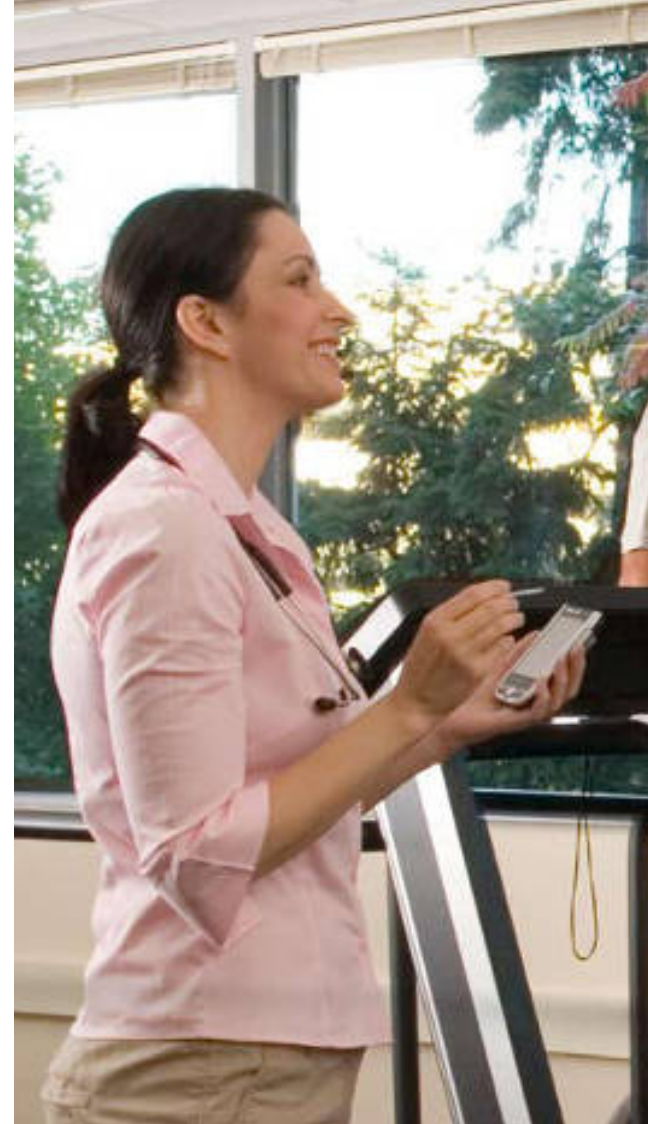
## The rehabilitation management system to streamline your workflow.

The Quinton® Q-Tel® RMS makes life on the rehab floor easier and lets you spend more time with patients. The system is highly configurable to meet your program needs.

With Q-Tel, you can manage any patient from any workstation, manage multiple patient records at once, or review reports on an exercising patient. You can monitor 12 patients at a single station – up to 36 when networked. And you can assist patients out on the exercise floor, control exercise modalities, and update session data – all with the wireless Q-Tel Pocket Assistant in hand.

- + Q-Tel uses Windows-based icons and a left-to-right workflow – you'll feel comfortable the very first day you use it.
- + Q-Tel lets you view and make changes without ever stopping the patient's exercise routine.
- + Only Q-Tel transmitters capture diagnostic quality ECG to help you quickly and confidently identify ST changes.
- + Q-Tel lets you effectively monitor, store, and document recorded parameters and measure the patient's improvement through the rehabilitation process.
- + Q-Tel connects via HL7 or XML to your HIS/EMR system to automatically import new patient demographics and export patient results – which eliminates the tedious, manual steps involved in creating new patient records and distributing reports.

Only Q-Tel Transmitters capture diagnostic quality ECG to help you quickly and confidently identify ST changes.



The Quinton Q-Tel Pocket Assistant enables you to input session parameters as you provide instruction and encouragement to your patients.

The Quinton Q-Tel RMS interface is clear and easy-to-use; the Windows-based platform's familiar icons and left-to-right workflow are very intuitive.





## Quinton CR60 rehabilitation treadmill

The Quinton CR60 is used at cardiac rehab centers – and at your facility, if you value smooth power and accuracy even at the slowest speeds and the heaviest weights.

TripleFlex™ shock absorption provides ideal cushioning for walkers and runners up to 400 pounds (181 kilograms). The machine starts out gently and slowly increases speed in a smooth manner for patient safety and confidence.

Patients enjoy a natural walking/running sensation with no lag when the foot strikes the belt.

### Praise for our trainers

“Excellent training by Tim. He was very knowledgeable regarding the system and the needs of cardiac rehab. He also seemed to realize we need to hear instructions more than once to retain the info. He repeated instructions in different ways, which was very helpful.”

Susan McGowen, PN Manager  
GRMC Cardiac Rehab

# Powerheart® AEDs

## Be Rescue Ready® across your entire hospital campus.

Powerheart automated external defibrillators (AEDs) offer some of the most technologically advanced and easiest-to-use features available in AEDs today.

Our patented Rescue Ready technology distinguishes us among competitors. Every day, to ensure anytime functionality, the Powerheart AED self checks all main components (battery, hardware, software, and electrode pads). Every week, the AED completes a partial charge of the high-voltage electronics. And every month, the AED charges the high-voltage electronics to full energy. Other solid reasons to use the Powerheart G3 family of AEDs in your hospital:

- + Our AED determines the electrical impedance (resistance level) of each patient and customizes the energy level delivered. If more than one shock is necessary, our proprietary STAR® biphasic software escalates the energy to deliver therapy at an appropriate, higher level.
- + Each AED provides non-committed shock, pacemaker detection, and synchronized shock features.
- + Each AED is under warranty for seven years – one of the longest warranties in the industry. We also provide a four-year, full operational guarantee on the Intellisense® lithium battery (item 9146) used on AED G3 Plus defibrillators.
- + Automatic, semi-automatic, and advanced professional models with manual override and color ECG display – select the Powerheart G3 that best meets your emergency response needs.



Almost anyone can use a Powerheart AED. By bringing them to your facility, you empower hospital workers and bystanders to become part of chain of survival and deliver that first shock within 3 minutes (as the American Heart Association and European Resuscitation Council recommend).

# Burdick® Vision™ Premier Holter Analysis System

## Powerful, easy-to-use tools for Holter analysis.

Our Vision Holter analysis system is highly accurate and ideal for routine Holter data analysis.

- + Get easy-to-read information needed to make clinical diagnoses in minutes.
- + Choose a scanning mode (paging, superimposition, or retrospective review) to review data, immediately capture arrhythmias, and compile a final report.
- + System algorithms, based on 25 years of research, automatically identify abnormalities and compile them into easy-to-read reports.
- + Add optional tools as you like: HL7 communications, heart rate variability, pacemaker analysis, research mode, and remote mode software.



## 99.95 percent accurate

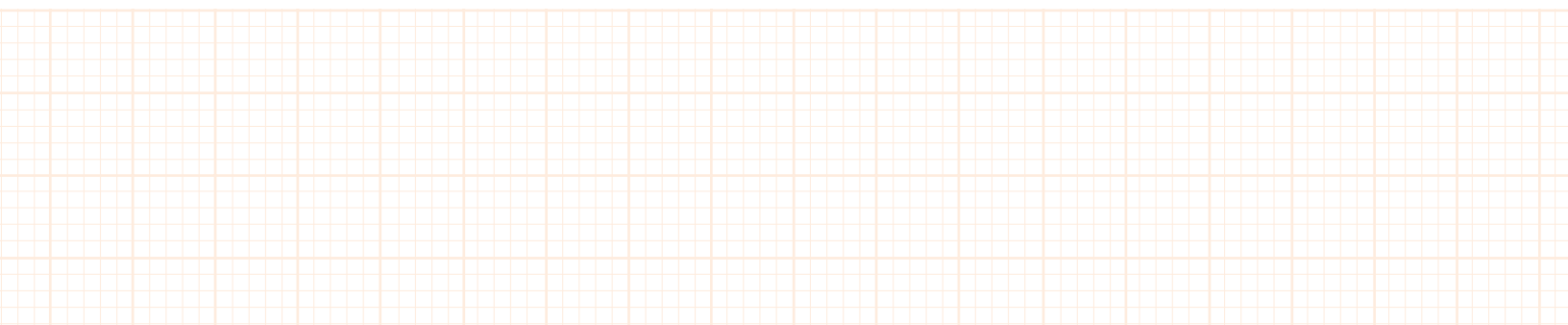
When tested against industry-standard Massachusetts Institute of Technology and American Heart Association annotated ECG databases, the Vision systems provided beatdetection results with 99.95 percent accuracy.

The palm-sized Burdick Vision 5L Holter recorder is super light – it weighs four ounces and is easily worn on a lanyard, belt, or shoulder strap.

## Burdick Vision 5L Digital Holter

Burdick products are accurate, efficient, and dependable, and the Burdick Vision 5L Holter recorder is no exception. Our digital Holter provides high-quality 5- or 7-lead, 3-channel recordings on a straightforward screen. The Vision 5L Holter recorder is uncomplicated, yet reliable.

- + Check its LCD screen before the patient leaves your office. You'll immediately know if the electrode contacts are functioning properly – and eliminate unnecessary retests.
- + In less than one minute, download ECG information directly to your Vision or Vision Premier analysis software.
- + Collect up to 48 hours of ECG information on a flash memory card using only one AA battery. Remove the card, and immediately assign the recorder to the next patient.
- + The 'event button' gives the patient the option to capture and mark episodes that concern them.



# Accessories and Supplies

## To achieve the best results, use Cardiac Science.

We offer premium recording papers, electrodes, cables, leads, and related items specifically designed to maximize the performance of your Quinton, Burdick, and Powerheart products. If you want to achieve the best results with your AED, ECG, stress, Holter, and rehabilitation systems, then use Cardiac Science accessories and supplies.

### Stress testing electrodes and paper

Our Quinton Quik-Prep™ automated self-prepping electrode and applicator system applies electrodes that stay secure during heavy perspiration, excessive movement, and lead-wire tugging. Use Quik-Prep electrodes for stress tests virtually free of dropout and baseline drift.

**011440-004** Quik-Prep Applicator

**031851-001** Quik-Prep Electrodes

The Burdick Blue Max® offset snap electrodes are heavy duty and you'll see a reduction in motion artifact.

**097001** Blue Max 40mm vinyl snap

**097002** Blue Max 48mm foam snap

Quinton Premier paper provides optimal printer performance for Quinton Q-Stress. We make our thermal paper with the smoothest base papers, inks, and coatings to minimize printer wear and render crisp, readable tracings.

**036869-001** Quinton Premier paper Z-fold full grid



### ECG electrodes and paper

Clinicians trust our highly popular resting tab and multi-purpose electrodes for ECG throughout their entire facility. We offer high-quality, adhesive electrodes for hard-to-prepare patients.

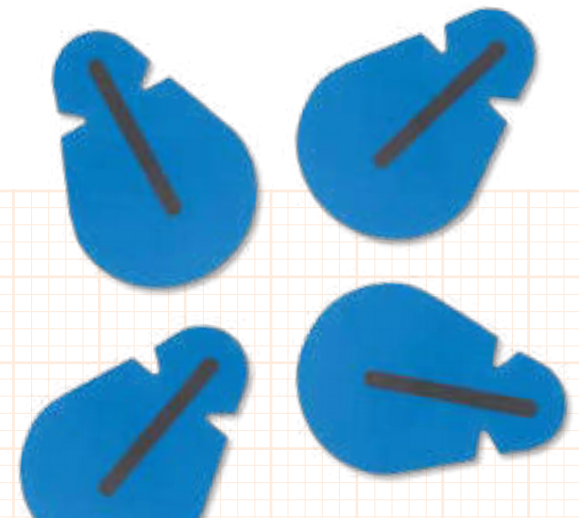
**015-0630-00** SupaTab electrode, resting tab (shown)

**047029** CardioSense™ Ultra II electrode, resting tab

Burdick Assurance® 'fade-resistant' thermal recording paper *looks* and *feels* similar to standard thermal paper – but that's where the comparison ends. Our acid-free base paper and chemical thermal coating keep your ECG images from fading for 25 years, guaranteed!

**716-0237-00** Assurance thermal paper for Eclipse Premier and Atria devices

**007983** Heartline thermal paper for Eclipse Premier



## Defibrillation pads, batteries, and storage options

Each Powerheart AED comes with pre-connected adult pads to save you time during a rescue.

- 9131** Non-polarized adult defibrillation pads
- 9660** Polarized adult defibrillation pads
- 9730** Reduced-energy pediatric defibrillation pads



A single, medical-grade battery powers your Powerheart AED. (Some manufactures require the user to replace up to ten consumer batteries at a time!) One battery is better than ten: one is easier to maintain and helps ensure your device is ready to provide professional-grade defibrillation therapy.



- 9146** For use with the AED G3, this Intellisense lithium battery comes with a 4-year, full operational replacement guarantee.
- 9145** For use with the AED G3 Pro®, this Intellisense lithium battery comes with a 1-year (from deployment) or 12 hours (of use) full operational replacement guarantee. (whichever comes first).
- 9144** For use with the AED G3 Pro, this rechargeable battery is ideal for frequent users. A fully charged battery delivers 60 to 100 shocks and its usable lifetime is approximately 2.5 years or 300 discharge cycles.

We provide storage options to keep your Powerheart AED secure and easily accessible during a rescue. We offer wall cabinets including some with alarms and strobe light to alert you when the AED has been removed. Select from attractive yet economical wall sleeves or wire racks/baskets for convenient storage and easy accessibility to AEDs during a rescue.

## Cables and leads

Engineered to meet our own device specifications, our leads and cables are designed to deliver ultra-clear and dependable ECG tracings every time.

# Technical Support and Customer Care

## Keeping you up and running is our focus.

We equip each and every field service engineer with the most comprehensive Microsoft®-certification training in the industry. We understand the key to your business is patient throughput.

Many customers consider us extensions of their own teams – especially those who leverage our service contracts. For these customers, we conduct routine equipment performance testing and maintenance. And the annual subscription, often recouped after *one day's* diagnostic exams, covers all parts, labor, and travel time for a year. Ours may be the most cost-effective service program in the industry.

When issues come up, you need to talk to the right person right away. Our US-based call routing technology connects you quickly with a specialist trained on your product. For worldwide customers, we have direct Cardiac Science sales, support, and authorized distributors in many countries to keep your operation running smoothly.

In short, each customer is important to us. We help you:

- + Maximize your up time – keeping your facility operating at full capacity.
- + Control costs – eliminating all parts, labor, and travel time expenses.
- + Care for patients – knowing that we're safeguarding your Cardiac Science diagnostic equipment.

We're here and available on your terms: by phone, email, web chat, or on-site service provided by our Field Service Engineers, when appropriate. You won't find a more responsive medical device company anywhere.

### Did you know?

Many products can be supported via remote connection, allowing us to view user workflow, set up applications, diagnose problems, and pull log files. That's another way for us to efficiently keep you up and running.

Outside the US? We have direct sales, support, and distribution worldwide.





# Implementation and Training



## Did you know?

In a 2007 customer survey, 92 percent of our customers rated our training as “very beneficial” and would recommend Cardiac Science to a colleague or friend.

## We partner with you.

Our installation and training teams consistently meet or exceed expectations, according to our customer surveys. Whether you need a Pyramis installation or a new Holter recorder, our team will teach you how to use – and get the most out of – your investment.

With a sophisticated product like Pyramis, a single point-of-contact works with you through the planning process. This Cardiac Science consultant gives you on-site support, training, and ensures that your system is built to your satisfaction for maximum productivity.

And something else you need to know: we go live on time. When it comes to connectivity, software is half the story. Our project managers, implementation specialists, and trainers consistently meet “go-live” commitment dates.



# A history of technological leadership

1953

Wayne Quinton teams with Dr. Robert Bruce, developer of the first clinical protocol enabling consistent and repeatable cardiac testing at an elevated heart rate. Quinton invents the first mechanical treadmill expressly designed for this application. Together, the innovations form the genesis of modern cardiac stress testing. Eight product generations later, Quinton products remain the industry's gold standard.

Quinton

2002

Quinton Cardiology Systems (Quinton) goes public on the Nasdaq market under the symbol "QUIN." The offering is one of the few medical initial public offerings to list all year.

2003

Quinton acquires Burdick and, with it, broadens its product portfolio for physician offices. Burdick is the market leader in noninvasive cardiology products sold through distribution. Quinton introduces a number of new products into this channel.

Today

Cardiac Science intends to be the company the global medical community thinks of first for high-quality, noninvasive cardiac equipment and services.

Burdick

1913

F.F. Burdick and F.A. Anderson establish The Burdick Company. The company develops the first infrared lamp for medical use and becomes an early electrocardiograph technology pioneer. Burdick grows to be the preferred ECG brand among clinicians; a position it still holds today.

Cardiac Science

2005

Quinton and Cardiac Science, Inc. merge, and adopt the name Cardiac Science Corp. and the Nasdaq symbol "CSCX." The combined enterprise breaks the \$100-million revenue mark for the first time and unites four of the most trusted brands in cardiac technology: Burdick, HeartCentrix, Powerheart, and Quinton.

Powerheart

1991

Cardiac Science, Inc. forms to develop FDA-approved rhythm-analysis software (RHYTHMx™), the foundation for the first fully-automatic bedside defibrillator. Branded Powerheart, the defibrillator treats life-threatening arrhythmias without the need for human intervention.

2001

Cardiac Science, Inc. acquires Survivalink and its STAR® biphasic AED technology. The Survivalink name is retired and AEDs are branded with the Powerheart name. Now with 80 Powerheart patents, our AEDs are powered with some of the most technologically advanced, easiest-to-use features in AEDs today.



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### Customer Care and Tech Support

Contact your local representative  
or authorized distributor

### Nasdaq: CSCX

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[investor@cardiacscience.com](mailto:investor@cardiacscience.com)  
[www.cardiacscience.com](http://www.cardiacscience.com)



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Cardiac Science, the Shielded Heart logo, "At the Heart of Saving Lives," Burdick, Quinton, Powerheart, HeartCentrix, Pyramis, Q-Stress, Ultradrive, TripleFlex, Atria, Eclipse, Q-Tel, Rescue Ready, STAR, Vision, Quik-Prep, Blue Max, CardioSense, Assurance, and G3 Pro are trademarks of Cardiac Science Corporation. All other trademarks are owned by their respective owners. Copyright © 2008 Cardiac Science Corporation. All Rights Reserved. MKT-21000-01 rB