

Who we are. What we do.









AT THE HEART OF SAVING LIVES"

"Our vision is to be the company that simplifies and widely deploys cardiovascular technologies and services that improve public health." Dave Marver President and CEO Cardiac Science Corporation Diagnosis I Resuscitation I Rehabilitation I Informatics

Cardiovascular disease.

The world's leading cause of death.

Cardiac Science focuses exclusively on noninvasive ways to manage heart disease. It's been our life's work for almost a century.

We invented the modern stress test, the single channel interpretive electrocardiograph (ECG), and the first fully automatic bedside defibrillator. Today, we design all our equipment with connectivity in mind to integrate with hospital information (HIS), electronic medical record (EMR), and other systems.

With operations in Europe, Asia, and the Americas and customers in roughly more than 100 countries, we dependably serve healthcare professionals, emergency responders, and the general public with the best customer care experience in the industry.

Cardiac Science. At the Heart of Saving Lives.

A history of technological leadership

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.

1953

Quinton

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.











1913

1953

1991

2001

Today

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.

2002

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.

2003

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

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 also 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.

From discovery to recovery, no other company approaches the continuum of cardiac care the way we do.

Cardiac Science delivers diagnostic, resuscitative, rehabilitative, and informatics solutions for heart disease management. Our work saves lives every day.

We concentrate exclusively on noninvasive cardiac care and thoroughly know our categories. We believe this singular focus elevates our product and service offerings, and differentiates us in the medical devices field.



Our products are among the most trusted in cardiology – and for good reason. Each has a rich legacy and well-earned reputation for quality, innovation, ease of use, and durability. And each helps our customers provide the highest standard of patient care.

You know the products well.

Burdick® pioneered electrocardiography with the single-channel interpretive ECG and developed the first commercial ECG that used an open communications protocol. Known for simplifying clinicians' lives, Burdick is the preferred name in ECGs, AEDs, Holter monitors, and supplies in medical practices and clinics.

Quinton® is synonymous with cardiac stress testing, having invented the world's first mechanical treadmill for such a use. Universally renowned for reliability, accuracy, and, Quinton stress, ECG, and rehab products leverage an open architecture to maximize patient throughput.

Powerheart® introduced the first fully automatic bedside defibrillator. Having won more than 80 patents, our engineers design automated external defibrillators (AEDs) with some of the most technologically advanced and easiest to use features available in AEDs today.

HeartCentrix® and other connectivity solutions are at the center of everything we do. Designed to integrate seamlessly with HIS, EMR, and other information systems, our solutions help streamline workflow in multiple health care environments. We have examples where this speed saved patients' lives.

Dependable products. Dependable people.

Our dependable products tell half our story. Our dependable culture tells the rest. We are professional, personable, action-oriented, and responsive. We do not disappoint. We epitomize these characteristics to earn a place on your team as trusted consultants and partners.

From our "Quality Every Time" programs to our dedicated customer care and technical support, Cardiac Science earns trust among health care professionals and emergency responders around the world.

Our customers in the hospital, physician office, and public markets tell us that doing business with Cardiac Science is much easier than with most competitors. It's part of our heritage and we commit to continuing in this long tradition.

"Your equipment is so dependable."

"We would do 30 stress tests a day and your treadmill would go and go and go. And it's not just the treadmill, it's the computer telemetry, the printing mechanisms for the ECG ... it's the whole apparatus that is so dependable. They work well together. In some things in my world you have trouble with pieces of equipment talking to each other or the connection breaks down, but the Cardiac Science stuff... I just don't see that happen."

 Dr. Diana Westerfield, DO Cardiology Diagnostics, Ltd.



The first three minutes. That's when a sudden cardiac arrest victim needs you – and a Powerheart® AED by Cardiac Science™ – most.

"Thank you for helping me save a good friend of mine."

"He completely stopped breathing and did not have a pulse.

I have no medical or CPR training, and have never used an AED device. Within 20-30 seconds after the shock, his heart was beating at about 80 beats per minute, and he began to breathe. He underwent triple bypass the next day and has absolutely NO heart or brain damage.

Steve's cardiologist told him that less than 5% of patients who have this 'fatal arrhythmia' ever even survive. WOW!!!"

— William Henderson First Investors Corporation

You need our life-saving devices anywhere they can save a life. For practical purposes, that means at home or wherever two or more meet: at work, school, in restaurants, malls, airports, libraries, and other public places.

Most anyone can operate a Powerheart AED G3 Plus

In the chaos that follows sudden cardiac arrest, concerned but untrained bystanders are scared. Do they know what to do? There's a life on the line!

We designed the Powerheart AED G3 Plus Automatic with RescueCoach™ voice prompts to talk rescuers through the steps. When the rescuer applies the defibrillation pads, the G3 Plus Automatic analyzes the heart rhythm and "knows" when to deliver (or not deliver) the shock – automatically and with no human intervention – then prompts for CPR. (We also make a semi-automatic version.)

Rescue Ready® performance sets us apart

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. If anything is amiss, the Rescue Ready status indicator on the AED handle changes from green to red and emits an audible alert to service the unit. In sum, a Powerheart AED is Rescue Ready to perform when a life depends on it.

The G3 Pro® – proactive care from first responders

Designed for professional and medically-trained responders, the G3 Pro features a color ECG display, manual defibrillation, and 3–lead ECG monitoring capabilities. With its RHYTHMx® analysis algorithm, the G3 Pro lets first responders proactively monitor for lethal arrhythmias. This is a major benefit. The earlier a responder recognizes cardiac arrest, the shorter the time to defibrillation, and the better the chance for survival.

Defibrillation in the hospital

American Heart Association (AHA) and European Resuscitation Council (ERC) guidelines recommend AED use in hospitals, and Healthcare Provider Basic Life Support programs include AED training. In response, hospitals are installing AEDs in inpatient and outpatient departments and in public areas. Using AEDs, the Miriam Hospital (Providence, RI) improved their time to first defibrillation by up to 80 percent (down to two minutes)!

Due to our advances in defibrillation, Cardiac Science has even been asked to make manual defibrillators for the hospital market on behalf of a top medical equipment manufacturer.

Cardiac Science in the community

Remember when fire extinguishers were optional? Soon, AED use could be just as widespread. With more AEDs in the community, everyday citizens become part of the emergency response system, increasing the likelihood that first responders can save a life.

A shock within one minute raises the chance of resuscitation to 90 percent.

Our multi-city joint programs with Project Heart Beat powerfully illustrate this point. When businesses, schools, government offices, and other public entities deployed AEDs, survival rates improved – often many times beyond the five percent national average. With results like these, it's no wonder Cardiac Science is committed to helping increase AED placements dramatically over the next few years.

The importance of Program Management

Federal and various state regulations already require training, meticulous record keeping, and a licensed physician to oversee your program. For these tasks, our Program Management Service is a sound investment: we take care of all these requirements for you.



Designed specifically for emergency responders, the Powerheart AED G3 Pro includes semi-automatic and manual defibrillation options and the industry's first color ECG display in an AED.



In a University of Pennsylvania simulated rescue, the G3 Plus helped untrained adults deliver CPR of a quality similar to that of trained professionals.



Why get stressed? Because some forms of cardiac disease are apparent only when the heart performs at increased workloads.

"I trust Cardiac Science implicitly."

"Cardiac Science invented the modern stress test. Their products are reliable, durable and, in my opinion, even their supplies are best in class. I trust Cardiac Science implicitly with my patients' welfare."

– Dr. Thomas Mattioni, MD Arizona Arrhythmia Consultants In 1953, Dr. Robert Bruce developed a protocol that enabled consistent and repeatable cardiac testing at elevated heart rates. Soon after, company founder Wayne Quinton created the world's first mechanical treadmill designed to monitor cardiac function in exercising patients. Together they pioneered the origins of modern cardiac stress testing.

Quinton® Q-Stress® – the gold standard in cardiac stress systems

Quinton products by Cardiac Science are the industry's gold standard. Our Quinton Q-Stress PC-based cardiac stress system, winner of multiple awards (most recently Frost and Sullivan's Market Engineering Award), is now in its ninth generation.

Used in conjunction with Quinton medical treadmills (among the world's best-selling) and Quinton Quik-Prep™ electrodes (for optimal trace quality), the Quinton Q-Stress system monitors heart rate, blood pressure, and ECG signals under controlled conditions. Fully equipped, the system includes:

- + Robust network connectivity from importing patients' demographics to billing and report archiving.
- + Full disclosure reports that are exportable to your EMR.
- + In-test review including "rewind" and "freeze frame" capabilities (industry firsts).
- + Ectopic capture and display for heartbeats outside the sinoatrial node.
- + Fully customizable panel display and the flexibility to add user-defined protocols.
- + Risk scoring, procedural re-analysis, and extensive report formatting options.

Four benefits you'll appreciate

- + Accurate diagnostic information. We implemented our own absolute spatial velocity vector and invented our own filters for baseline wander and motion artifact. As a result, you'll hear less noise interference, achieve better waveform trace precision, and perform clinical analysis with greater confidence.
- + Enhanced workflow. Quinton Q-Stress connects with virtually everything you need for enhanced workflow and maximum disclosure reports: your HIS/EMR, email, printer, network storage, nuclear camera, and echo system. Some competitors make it much more difficult to do so.
- + **Trouble-free documentation.** With the full disclosure option, you can save the entire test as a PDF and store it to the EMR.
- + Real-time analysis. With the freeze frame option, you can "rewind" and view any section of any lead during the test. You can "freeze" any tensecond strip and compare it with "live" ECG tracings. Quinton Q-Stress prints side-by-side comparison reports, too.

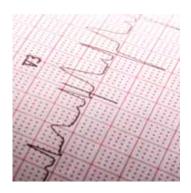
The Burdick® Quest® exercise stress system

Sold under our Burdick brand, the Quest® system is right for offices looking for value, simplicity, and increased patient throughput. The system is easy to use because it features a touch screen with convenient pull-down menus for intuitive workflow. Our proprietary Logistep™ guide walks users through the test by highlighting the next step. We put everything you need on one screen, so there's no need for toggling among screens. And to save you time, we added an easy way to correct unintentional phase changes without having to start all over again.

Revolutionary treadmills with Ultradrive™

Ultradrive™ delivers the power behind our industry-leading treadmills. Ultradrive is a digitally controlled AC-drive system with enough torque to carry a 500-pound (227-kilogram) patient. It accommodates long strides at speeds ranging between 0.8 and 9.6 miles per hour (1.3 and 15.4 kilometers per hour), up to a 25 percent grade. (Typical DC-drive systems don't carry heavier loads well, especially at lower speeds.) Ultradrive – and our top-notch Customer Care team – is the reason why our medical treadmills are among the best selling in the world.

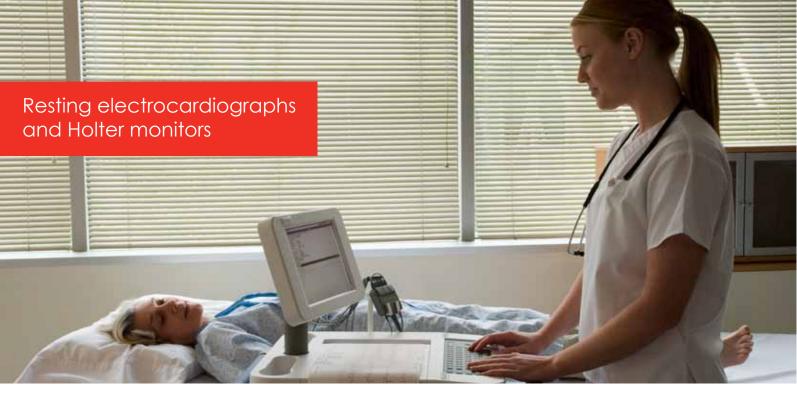
Our treadmills are quiet, our decks are treated with special friction-control polymers, and our rollers center the 20-inch, non-slip belt. Since the treadmills are digital, many moving parts (motor brushes, speed-change mechanisms, and some drive belts) are unnecessary.



Our proprietary algorithm and baseline wander and motion artifact filters produce less noise and better ECG tracings.



Quinton-brand medical treadmills with Ultradrive are among the best selling in the world.



Cardiac care starts here.

Clinicians run millions of resting ECGs each year for simple and routine cardiac evaluations.

Continuing to build our legacy

Saving lives is more important than winning awards. Nevertheless, Cardiac Science is proud to have received Frost & Sullivan's 2007 ECG Monitoring Global Excellence Award, which recognizes our leadership and vision in the cardiac monitoring segment.

As Wayne Quinton and Dr. Robert Bruce are to our stress testing products, F.A. Anderson and F.F. Burdick are to our cardiographic ones. Now a few generations later, it's fitting that their products are sold together under the Cardiac Science banner.

For our resting ECGs, we developed proprietary techniques to "clean" the ECG waveform before it is measured and analyzed by the Glasgow Royal Infirmary (GRI) algorithm. The algorithm considers many clinically significant variables – including gender, age, race, medication, and classification – to interpret patient data. (Working directly with the University of Glasgow, our program considerably improves upon the basic GRI algorithm and provides brief and full interpretation statements.) This diverse analysis is critical, since hearts differ greatly depending on demographic and other health conditions.

An ECG that covers the basics

The Burdick® Atria® 3100 is perfect for physicians' offices because its intuitive interface, small size, and attractive price comes with:

- + Connectivity: with EMRs and hospitals' wired Ethernet or 802.11 wireless communications platforms.
- + Choice: 3-, 4-, 6- or 12-lead ECG tracings.
- + Storage: up to 50 ECGs.
- + Options: pediatric and pacemaker analysis tools.

A better ECG with richer features

The simple-yet-sophisticated Burdick® Atria® 6100 sports a large, color LCD to preview waveforms and provides continuous 3-, 6-, or 12-lead rhythm viewing. It comes standard with 150 ECG record storage (upgradable to 300 records) and Wi-Fi, Ethernet, and Bluetooth connectivity to your EMR – sure to improve workflow in busy facilities.

Our top-of-the-line ECG product

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. Its wristband barcode scanner saves time and ensures accurate and reliable patient identification and documentation.

The time-saving features make the Quinton Eclipse Premier a leading provider of acute diagnostics. Among the included features:

- + A color active matrix display with 90-degree tilt/swivel screen.
- + One-touch STAT ECGs, dedicated keyboard function key, and other intuitive shortcuts.

Holter monitors for outpatient use

Cardiac Science makes the Burdick Vision™ 5L Digital Holter Recorder to capture 24- to 48-hours worth of electrocardiographic data at a time. The palm-sized device – easily worn on a lanyard, belt, or shoulder strap – can detect potentially serious arrhythmias on an outpatient basis.

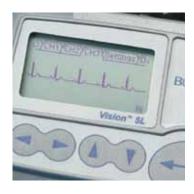
Its companion software, the Burdick Vision Premier Holter analysis system, features automatic beat categorization, tachogram review, and full-disclosure viewing. It provides flexibility to perform even the most sophisticated analyses and is 99.95 percent accurate when measured using AHA and MIT standardized databases.



Clinicians prefer the Burdick Atria 6100 for its large color LCD and 150-record storage.



Advanced communication capabilities, barcode scanner and 12-lead color preview make the Quinton Eclipse Premier perfect for hospital-grade diagnostics.



The Vision 5L Digital Holter Recorder's ECG display ensures the unit is ready to record. No more retests!



More time with patients. Our advanced rehabilitation management system simplifies your workflow and frees you up.

"Now we can do a much better job"

We had a patient who developed an arrhythmia during his cardiac rehabilitation sessions. With Q-Tel's reports, the doctor had evidence to authorize lengthening the rehabilitation. The medical necessity clearly showed up in the data. Now with Q-Tel we can do a much better job spotting issues, as we did in this case.

Susi Mathis, MS,
 ACMS, RCEP, CES
 Cardiac Rehabilitation
 and Wellness Coordinator
 St. Patrick Hospital and
 Health Sciences Center

The Quinton® Q-Tel® RMS rehabilitation management system makes life on the rehab floor so much better because it's:

- + **Thoughtfully designed.** Jump easily from patient information to session management to charting and editing with simple icon clicks.
- + Multi-task ready. Manage any patient from any workstation, manage multiple patient records at once, or review charts on an exercising patient.
- + Scalable. Monitor 12 patients at a single station up to 36 when networked.
- + Flexible. Assist patients out on the exercise floor, control exercise modalities and update session data all with the wireless Q-Tel Pocket Assistant in hand.
- + Connected. Meet the HL7 networking standards for clinical information among your HIS and EMR clinical systems. Save paper and hassle too!

Integrated and accurate

Q-Tel has all the tools needed to support your American Association of Cardiovascular and Pulmonary Resuscitation (AACVPR) certifications. And, to help you comply with American College of Sports Medicine (ASCM) requirements, each Q-Tel transmitter is so accurate that you can see stress test (ST) changes for exercise contraindications where the resting ST change is greater than 2 mm.



Everything has to connect.You demand it. Cardiac Science delivers.

While our diagnostic, resuscitation, and rehabilitation devices perform life-saving work, they create additional information vital to proper care. We at Cardiac Science help customers manage the data, whatever the device or environment.

Informatics completes our devices

Some of our key product design questions are, "How will this product integrate with HIS, EMR, and other systems? How will clinicians download and store the data? How will a therapeutic or diagnostic event – the shock from an AED, the results from an ECG test – flow seamlessly through the continuum of cardiovascular care?"

To answer those questions, our hospital and physician data management systems allow clinicians to request stress, ECG, or Holter tests right from the patient's chart. Clinicians can immediately review, edit, and confirm, which simplifies workflow and reduces errors. Users can access our intuitive web-based software remotely for off-site editing and test confirmation.

Real-life examples

Here's a sample of some recent Cardiac Science informatics deployments:

- + After a Cardiac Science installation, Winchester Medical Center detected a significant abnormality in a Holter patient 35 miles away before the patient was discharged. A pacemaker was implanted within hours, likely saving the patient's life.
- LA County Fire required data connectivity from their AEDs. Since our monitoring products connect to many HIS and EMR systems using HeartCentrix we extended the application to our Powerheart AEDs to meet the County's specific requirements.

"More confident diagnoses."

"The new connectivity with HeartCentrix ECG informatics will now enable users of MicroMD EMR 5.0 to view and store test results from Burdick and Quinton products with a quick click of the mouse, allowing for faster and more confident diagnoses."

Ajit Kumar, Ph.D.
 General Manager,
 Henry Schein Medical
 Systems



Want the best results? Count on Cardiac Science supplies.

We offer premium recording papers, cables, electrodes and related items specifically designed to maximize performance from all your Powerheart, Burdick, and Quinton devices.



We add an industry-topping fouryear full replacement guarantee on the standard Powerheart AED G3 battery.

Thermal paper. Inferior paper can accelerate wear and damage your printer. We build our thermal paper with the smoothest base papers, inks, and coatings to minimize printer wear and render crisp, readable tracings that can last for decades.

ECG electrodes. Clinicians trust our highly popular resting tab, stress, and multi-purpose electrodes throughout their entire facility. For tests virtually free of dropout and baseline drift, our Quinton Quik-Prep electrodes hold on during heavy perspiration, excessive movement, and lead-wire tugging.

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

AED batteries. Each Powerheart AED is powered by a single, medical-grade battery to simplify maintenance. Some manufacturers require the user to replace up to 10 individual batteries.

Defibrillator pads. Most Powerheart AEDs come with non-polarized pads, so rescuers can put either pad in either location, to simplify use.

Visit cardiacscience.com for a full list of supplies.



Investing in you. Every one of our field service engineers is Microsoft certified.

We succeed when you succeed.

Our solution: 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. We come in; we make the fix and go. We won't waste your time.

That said, we won't rush you either. Many customers consider us extensions of their own teams — especially those who leverage our service contracts. For these customers, we schedule routine equipment performance testing and maintenance. And the annual subscription, 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.

Our team exclusively supports Cardiac Science products, and we're available on your terms: by phone, email, chat, and – of course – on-site. Many products can be supported via remote connection, allowing us to view user workflow, set up applications, diagnose problems, and pull log files. You won't find a more thorough medical devices technical support group anywhere.

Available on your terms.

Customers outside the US take note: You comprise more than a quarter of our business! Cardiac Science values you as much as our US customers. We've woven together truly responsive technical support and care for you through our support service and extensive distributor networks.

We "go live" on time.

"When it comes to connectivity, software is half the story. Customers need to know about our seasoned project managers, implementation specialists and trainers who consistently meet 'go-live' commitment dates. We make it easy. We deliver."

– Paul Kamps, VPCustomer Care,Cardiac Science Corp.



Full service. Customer care you can depend on.



Our superior customer care begins with in-depth product training.

"Servicing" your account is one thing. Caring about you and your needs is something else entirely. We at Cardiac Science take customer care very seriously. We're not satisfied until you are.

We rely on one another – so you can rely on us. We built our customer team on the shoulders of industry veterans. We hire only professionals passionate about industry-leading care and service, in order to give you the best consultative resources available in the business.

How we build trust with you

We view each interaction with you as an opportunity to build our relationship. We train your team in every aspect of our equipment. It's the best way to maximize the value of your investment. We prepare our customer care representatives to handle almost any situation and, unlike our competitors, make our senior managers readily accessible and visible.

In short, we cherish our customers. We want you to be satisfied at every turn: when ordering products and supplies, requesting a service, and asking a question. We commit to the standard of care you expect of a world-class organization and hold ourselves accountable for the same.

Who to call

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