

# A reputation for innovation and excellence

In 1953, Dr. Robert Bruce developed a protocol that made possible consistent and repeatable cardiac testing at elevated heart rates. Soon after, Wayne Quinton created the world's first mechanical treadmill designed to monitor cardiac function in exercising patients. Together, Bruce and Quinton pioneered the technology for modern cardiac stress testing.

Today the Quinton Q-Stress cardiac stress system, winner of multiple awards, is in its ninth generation. You can depend on Q-Stress to deliver consistent, durable and reliable performance to keep your department running smoothly.



You can depend on Q-Stress for durability and reliability, and know the system is backed by Cardiac Science's superior service programs.



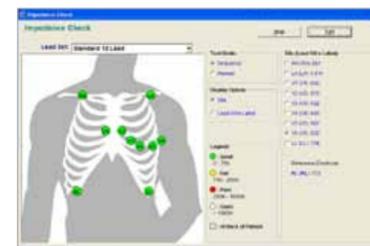
## Gold-standard Quinton TM55 and TM65 treadmills

Our heavy duty treadmills have set the standard for dependability for more than three decades.

- + Our quiet Ultradrive™ treadmills ensure a slow and safe start. It provides exceptionally smooth power and accuracy even at slow speeds and for patients up to 500 pounds (227 kg).
- + The TM55 and TM65 are designed to let the patient feel confident and secure. They meet all major safety and regulatory requirements worldwide.
- + Because there are very few moving parts, our treadmills require minimal maintenance and experience less downtime.

## Quik-Prep™ automated patient prep system

- + Clinicians prep patients faster and with confidence, knowing that each prep site will produce a high-quality trace virtually free of dropout and baseline drift.
- + Our patented Quik-Prep electrodes are designed to hold up and hold on during heavy perspiration, excessive patient movement, and lead-wire tugging.



*Impedance Check. Quickly and easily determine you have a high-quality trace.*



## Quinton® Q-Stress® Cardiac Stress System

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# Quinton® Q-Stress® by Cardiac Science

Accurate, durable, streamlined



The new Quinton Q-Stress 4.5 incorporates the latest innovations in stress testing with the intuitive workflow and ease of use that you've come to expect from a Cardiac Science system.

- + Customizable summary reports make it possible for you to determine the exact layout and content of your report, including importing a logo. You can deliver custom reports for each of your physicians based on their specific needs.
- + The ramped protocol generator lets you create multiple ramped protocols for treadmills or ergometers. It's easy to change exercise duration and effort levels "on the fly" so your patients won't have to repeat the test.
- + Easy to learn left-to-right workflow with intuitive icons and controls.
- + Our proprietary algorithm, baseline wander, and motion artifact filters reduce noise and produce clean ECG tracings even at steep grades.
- + The optional Microvolt T-wave Alternans™ (MTWA)\* testing module allows you to assess risk for sudden cardiac arrest (SCA).

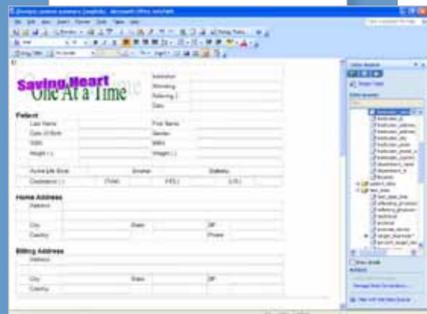
## FreezeFrame and Full Disclosure

- + Our unique FreezeFrame feature provides you an "instant replay" of any waveform during the test. You can "freeze" any ten-second ECG compare it with "live" ECG tracings.
- + With Full Disclosure, you can capture and review every beat for absolute clinical confidence.

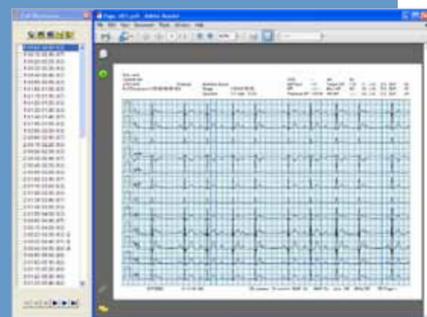
## Risk scoring and re-analysis options

- + Include a patient's risk score based on the Duke, Framingham, and Functional Aerobic Impairment (FAI) indices with our risk scoring option.
- + Re-analysis allows modification of original timing points to compensate for physiologic changes.

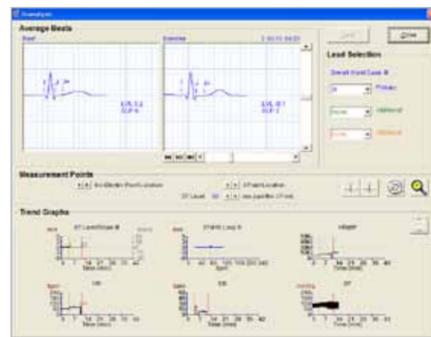
\*Available in the US only



Custom Report. You can create your own custom summary report. Include the data you want, how you want it.



Full Disclosure. Allows capture and review of every beat for absolute clinical confidence.



Re-analysis. Review and modify the iso-electric and J points if necessary after the test is complete.



MTWA testing is able to detect small variations in repolarization during mildly elevated target HR ranges.

## Sudden Cardiac Arrest – Know the Risk

- + MTWA for Q-Stress combines the industry's leading cardiac stress testing system with Cambridge Heart's unique testing system for SCA risk, creating the most comprehensive, reimbursable cardiac risk-profiling system in the industry.
- + The Analytic Spectral Method® (ASM) detects every-other-beat patterns unique to patients at increased risk by analyzing the ECG in the frequency or spectral domain. Data shows that using frequency is superior at filtering out noise and artifact than using timing alone.

## Quinton Q-Stress Connectivity

Quinton Q-Stress has the flexibility to connect to your Healthcare IT system in the way that works best for you to enhance your clinical workflow.

- + Bi-directional communication using HL7 or DICOM enables the import of demographics, billing, and procedure codes to Q-Stress. Export comprehensive test reports to help minimize documentation errors and lost billings.
- + Connects to virtually any EMR, HIS, PACS, and other healthcare IT systems.
- + If your healthcare information system changes, we make it easy to update and maintain the link between the HIS and Q-Stress.
- + The Q-Stress also utilizes XML and PDF technology to connect you to systems such as Pyramis® ECG Data Management, HeartCentrix®, network storage, printing, and email.

## DID YOU KNOW ?

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.