

Part of the industry's most flexible, practical platform

MTS TestSuite™ Software provides a complete family of productivity-enhancing software. All MTS TestSuite applications feature an incredibly easy-to-use interface, along with a modular design that allows you to buy only the capabilities you need today, with flexibility to easily and affordably expand as your requirements change.

MTS Systems Corporation
14000 Technology Drive
Eden Prairie, MN 55344-2290 USA
Toll free: 800.328.2255
Phone: 952.937.4000
Fax: 952.937.4515
E-mail: info@mts.com
www.mts.com

© 2010 MTS Systems Corporation. ISO 9001 Certified QMS
MTS is a registered trademark and MTS TestSuite is a trademark of MTS Systems Corporation in the United States.
These trademarks may be protected in other countries. Microsoft is a registered trademark of Microsoft Corporation.
100-205-047a TestSuiteMultipurpose-10 06/10

Multipurpose

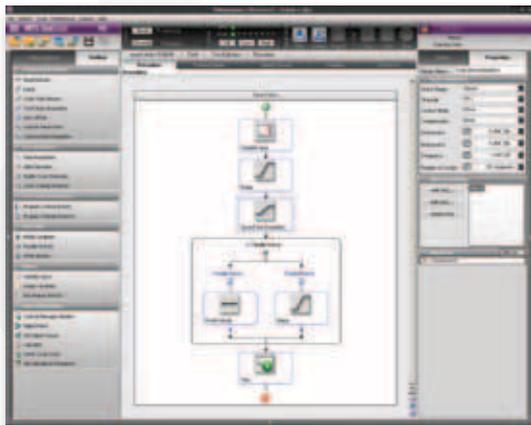
Testing Software

be certain.

Design and run better tests faster.

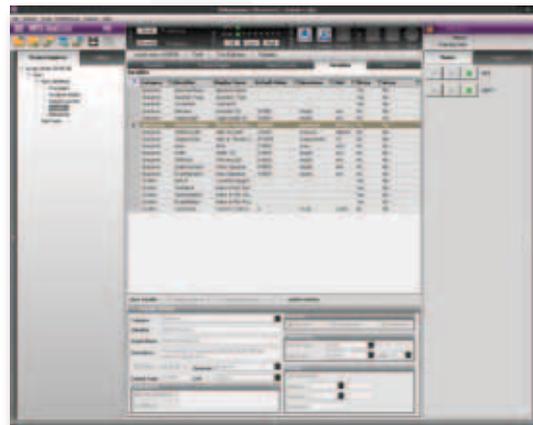
MTS TestSuite™ Multipurpose Testing Software lets you graphically build and run monotonic and cyclic tests with efficiency, from an easy-to-use interface that is readily adaptable to your evolving needs.

You can easily test to specific industry standards — or pursue your own interpretation of a standard — with customizable, “plug-and-play” test methods. The software also captures all setup data and test results, allowing you to quickly repeat tests, analyze data with stand-alone Analysis Software, and design and create reports with a convenient Excel Add-In.



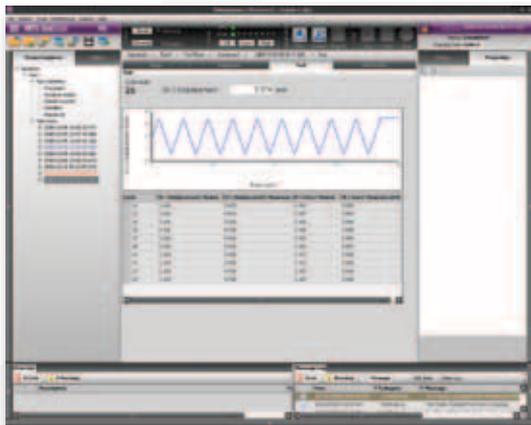
Designed for your needs.

An interactive, “bird’s-eye” depiction of workflow makes it easy to create and modify tests, including those with parallel activities.



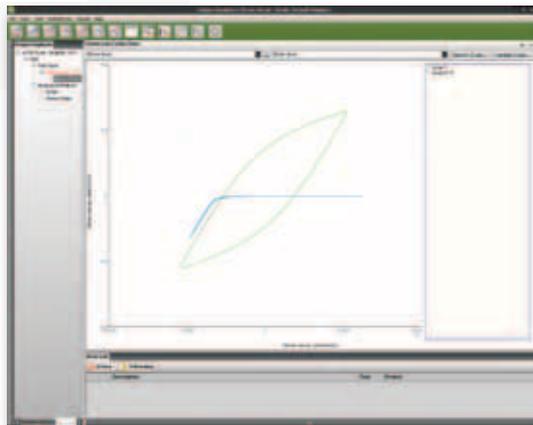
Step-by-step guidance.

A tabbed view gives you at-a-glance verification of where you are in the process at all times, and walks you through each step required to design and run a valid test.



Real-time observation.

Gain valuable insight from a user-configurable runtime view, which lets you monitor and react to test data while tests are running.



All-inclusive application software suite.

Add even greater functionality to Multipurpose Software with optional modules and applications, which provide all the test and report templates, activities, calculations, analysis and reporting for a specific type of testing.

One tool for all testing across your lab

By running MTS TestSuite Multipurpose Testing Software, you can efficiently meet your testing needs from a single, highly intuitive user environment that easily adapts to your changing requirements.

Tensile, compression and bend tests	Generate slow or fast ramps and holds while collecting force, strain, and displacement data for analysis of stiffness, yield or ultimate strength.
Fatigue and fracture tests	Run force- or strain-controlled tests while collecting data to determine fatigue life, crack growth rates and fracture toughness.
Multiaxial tests	Run multiple channels of control, in phase or out of phase, to create multiple degree-of-freedom loading conditions required for biaxial, triaxial, multiaxial and axial-torsional testing.
Block loading	Build blocks of cycles to create loading conditions on components, and monitor failure by collecting peak/valley data.
Profiles	Apply commands consisting of a series of cycles, dwell periods and ramps that are read from a profile file.

Specialty software for specific tasks

Increase productivity with stand-alone MTS TestSuite software packages optimized for particular user roles.

Multipurpose Elite Software Create and run tests with the flexibility to see and modify calculations, and design tests that meet your evolving needs.

Multipurpose Express Software This stand-alone package has the same look and feel as Multipurpose Elite Software, but it allows operators to focus on running tests specifically, without creating or editing them.

Reporter Add-In Generate custom and standard reports from existing test data, as a process independent from testing itself. An interactive editor lets you drag and drop links to test data into any Excel worksheet.

Fatigue and Fracture Analyzers Application-specific analysis packages are available to apply your own analysis to any completed test. These packages are ideal for re-analyzing data sets requiring updated parameters or completing “what if?” analyses to evaluate hypothetical scenarios. A powerful data tool also allows you to post-process test data in tabular or graphical representations.

Additional modules and options

Attain even greater speed and simplicity with modules for fatigue, fracture and tensile testing. All of these modules include a powerful Virtual Specimen feature, which allows you to see how a specimen will perform in a test without having to physically break it. Dozens of add-on options are also available to enhance the standard processes of Multipurpose Elite and Express software.