



Railway and Rolling Stock Testing Solutions

be certain.

WHETHER YOU ARE PERFORMING CERTIFICATION TESTS OR EVALUATING A NEW, COMPLEX DESIGN, MTS OFFERS RELIABLE TECHNOLOGY AND RESPONSIVE SUPPORT TO HELP YOU MEET YOUR OBJECTIVES WITH CONFIDENCE.

THINK OF MTS WHENEVER YOU NEED TO TEST.



Helping you keep pace with today's rail industry

Faster trains and higher payloads create new challenges for rail test engineers. Containing cost is imperative to success. Rail test engineers are challenged to measure, simulate and evaluate increasingly complex designs in less time and for less money. MTS helps by offering the right tools at the right time.

Whether you want us to collaborate with you on a new test program or help enhance an existing one, you can achieve the best possible results by partnering with us. Trust MTS to help you efficiently create, run and complete your rail-related tests.

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Reliable

Companies turn to MTS when reliable performance means the difference between success and failure. Our products and systems are designed to manage the large, dynamic forces and complex loading scenarios that are typical to rail testing. Proprietary MTS measurement and control technology can help you build confidence in your results and avoid costly repeat tests. Let us apply more than 40 years of industry experience toward meeting your railway or rail vehicle testing needs.

Flexible

We understand that your test lab must be highly versatile to address the needs of today's rapidly changing rail industry. That is why MTS hardware, software and accessories are designed with superior configurability. You can mix and match our components to best meet your needs today, and then cost-effectively expand as your needs change in the future.

Responsive

No matter where your testing occurs, MTS can deliver the ongoing service you need, when you need it. We support the industry's broadest offering with a responsive global service network, featuring expert local representation. Combined with smart maintenance programs, MTS will help keep your uptime high and your cost of ownership low over the long term.

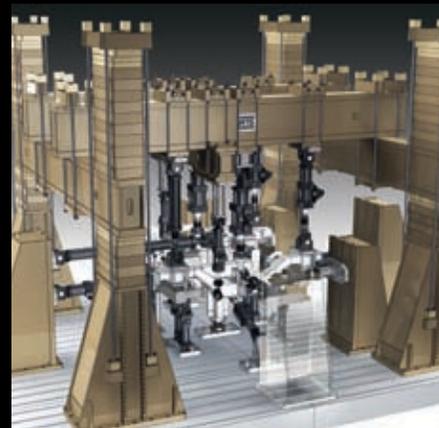
Covering the full range of rail testing needs

MTS products and expertise address a wide variety of rail testing needs, ranging from standard to custom solutions for everything from components and subassemblies to full-scale structures. No matter where you are today or where you'll be tomorrow, we will be there when you need us.



Configurable test control and loading systems

- » Establish core testing capabilities through proven MTS FlexTest® control and loading systems
- » Evolve your capability by adding advanced MTS technology when you need it





Multipurpose load frames

- » MTS combines powerful software with pre-engineered test systems to help you confidently meet a variety of testing needs
- » Choose from an array of force and measurement packages and options

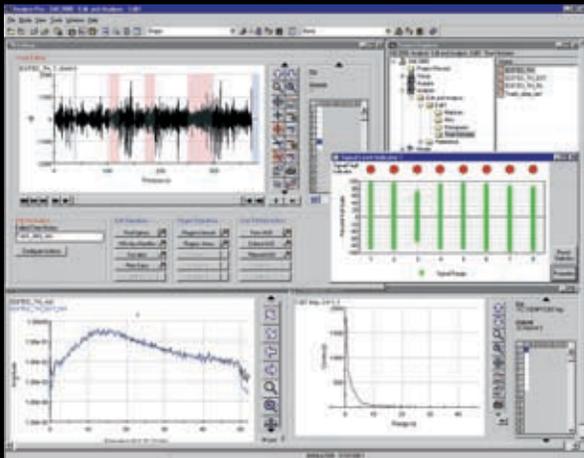
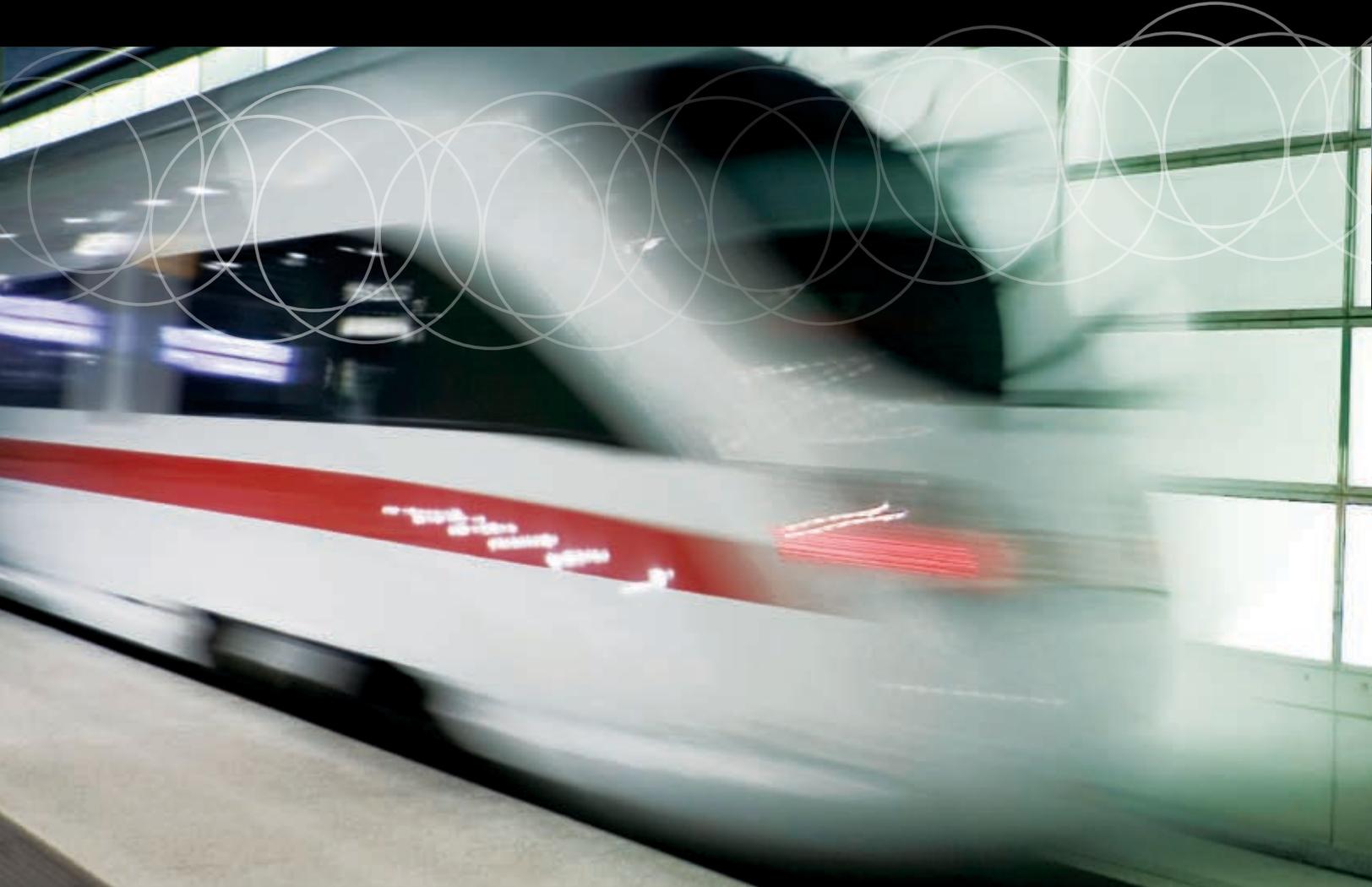


Custom and full-scale solutions

- » If your needs fall outside our standard offering, nobody matches MTS' capabilities for customization
- » Tell us your needs and we will work closely with you to meet them

The complete offering

MTS rail testing solutions provide the industry's broadest and deepest selection of hardware, software, accessories and service to support your mechanical testing. All of these solutions feature the latest in MTS precision force and motion control technology to help you test with reliability and efficiency.



Powerful, industry-leading MTS RPC Pro software provides the ultimate in data validation, analysis, simulation and test monitoring.



UNRIVALED ENGINEERING SERVICES AND SUPPORT

MTS fields the largest, most experienced worldwide service, support and consulting staff of any testing solution provider. This global team offers complete lifecycle management services for all your test systems, helping to maximize your testing productivity and uptime.

When you work with MTS, you will be working with a company that believes in the spirit of collaboration — of listening closely to your needs before working together to develop the ideal solution. You will be backed by a worldwide network of engineers, consultants and field service representatives, all available when and where you need them.

Powerful software

RPC® Pro (Remote Parameter Control™) Software provides advanced signal reproduction and analysis to enable accurate high-channel-count and cross-coupled testing. Component RPC Pro (cRPC Pro™) Software, a more affordable, scaled-down version of RPC Pro, can help precisely manage your rail component simulation.

Flexible control

MTS FlexTest digital control systems set a new standard for versatility and scalability. All models in the family share a common user interface, and are easily reconfigured for a wide variety of testing. Adopting the MTS FlexTest platform will help your test lab easily adapt to meet your evolving needs, while keeping your engineers and technicians at peak productivity.

Compact, low-noise HPUs

MTS SilentFlo™ hydraulic power units (HPUs) are renowned for compact footprint and extremely low noise. They are so small and quiet, in fact, that they can be installed almost anywhere in your test lab. An innovative “wall-hugging” design helps to conserve your valuable floor space.

Reliable loading systems

Every day around the world, thousands of test engineers insist on using MTS hydraulic actuators in their most demanding dynamic, structural fatigue and component testing applications. All MTS actuators are engineered to meet the unique dependability requirements of rail testing. A fatigue-rated design ensures trouble-free operation over millions of cycles.

Configurable parts and accessories

The MTS TestLine™ family provides a broad array of control and measurement components, accessories and software tools to help you easily and affordably build testing capabilities of your own. You can purchase TestLine products individually or as a system, and can easily configure them to perform tests ranging from single-axis static strength tests to multiaxial dynamic evaluations.

Precision grips and fixtures

Available in a variety of sizes and configurations, durable MTS grips and fixtures exceed industry standards and provide high-quality system-to-specimen interfaces, ensuring precise application of loads and displacements.



MTS loading system



MTS FlexTest Controllers



MTS grips and fixtures

Learn more today

Contact us for more information about how MTS offers the reliable technology and responsive support you need to test with confidence.



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