Tensile Testers

TT-i 0.5 kN, TT-i 1 kN, TT-i 2.5 kN and TT-i 5 kN

A Mecmesin single-column, Tensile Tester provides the ideal solution for routine quality-control or design testing. The TT-i range of portable bench-top testers includes four models from 0.5 to 5 kN and thanks to the interchangeable ‘intelligent’ loadcells, it covers testing of a wide range of components, products and materials.

Test control and comprehensive data analysis is provided by Emperor™, our top-of-the-range suite of software, which along with the quality of the TT-i range of test stands, provides excellent accuracy, repeatability and reliability of test data and results. Test routines can be easily developed in accordance with international standards or ‘in-house’ test methods. To ensure simplicity of use by operators most tests can be launched within 2 or 3 presses of a button.

Key Features

- Advanced programming and analysis through your PC or laptop
- Multi-level configurable access to software
  - Operator level to run tests
  - Master level to create and edit test routines
- Automatic return to ‘start’ position saves valuable testing time
- Automatic detection of Peak Load and Displacement at Break with colour-coded pass/fail identification
- Automatic export of results to printer or external software (e.g. SPC)
- One-click recall of the 5 most common tests
- Wide range of grips available

Contact Mecmesin today

e: sales@mecmesin.com • t: +44 (0) 1403 799979 • www.mecmesin.com
# Models and Accessories

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<tr>
<th>TT-/0.5</th>
<th>TT-/1</th>
<th>TT-/2.5</th>
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| • The TT-/0.5 kN has an extended column ideally suited to testing highly-elastic samples, such as thin rubber, plastic film, or elastic yarns and filaments.  
  • Max force: 0.5 kN  
  • Max travel: 1200 mm (47.3")* | • The TT-/1 kN is ideal for moderately elastic samples requiring substantial crosshead travel.  
  • Max force: 1 kN  
  • Max travel: 1000 mm (39.4")* | • The TT-/2.5 kN is a mid-range, versatile tester for a wide variety of applications.  
  • Max force: 2.5 kN  
  • Max travel: 500 mm (19.7")* | • Top of our single-column range, the TT-/5 kN is a robust and versatile tester for applications up to 5 kN.  
  • Max force: 5 kN  
  • Max travel: 590 mm (23.2")* |

* Crosshead travel measured without loadcell or grips

**Loadcells**

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<th>Grips**</th>
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| • Choose from a wide range of interchangeable ‘intelligent’ loadcells.  
  • 2 N to 5 kN | • Rated from 500 N - 50 kN  
  • Wedge-action grips to firmly hold samples without slippage - suitable for flat or round samples.  
  • Flat-faced grips - available with various jaw faces (serrated, wave form and rubber) to securely hold various material-types.  
  • Bollard-action grips - for thin samples prone to slippage; material can be spread around a circular bollard to grip securely ... and many more |

**Grips**

- **Mecmesin provides an extensive range of standard and custom-made grips to suit a variety of applications. Contact our sales team to find the right accessories for your applications.**

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**Testimonials**

Mecmesin has been supplying tensile testers around the world for over 35 years, to companies from automotive, aerospace, electronics, packaging, textile and associated industries - [contact us to see how we can help you.](#)

**Rocket Medical PLC, UK**

“In order to meet the British Standard regarding heat seal strengths on medical pouches, Mecmesin provided an operator-friendly system, which displays data in graphical format to clearly show compliance to the standard.”

*David Dixon, Quality Assurance Technician*

**Eurofilm Mantzaris S.A.**

“The MultiTest 0.5-i is a very good and reliable machine and the Emperor™ Software brings great advantages. It’s a very useful tool, fully programmable and offers an in-depth analysis of results. It’s a precious tool for everybody involved, especially those who work with plastics and their mechanical performance.”

*Nikos Michopoulos, Quality Control*

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**Head Office**

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