Tensile Testers

TT-i 10 kN, TT-i 25 kN and TT-i 50 kN

A Mecmesin twin-column Tensile Tester provides the ideal solution for routine quality-control or design testing at mid to high-range forces. The TT-i range includes three models from 10 to 50 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

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## Models and Accessories

<table>
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<tr>
<th>TT-i 10</th>
<th>Description</th>
<th>TT-i 25</th>
<th>Description</th>
<th>TT-i 50</th>
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| ![TT-i 10](image1.png) | • The TT-i 10 kN is a popular choice for mid-force applications.  
• Max force: 10 kN  
• Max travel: 960 mm (37.8")* | ![TT-i 25](image2.png) | • Middle of the twin-column range, the versatile TT-i 25 kN is ideally suited to most mid to high force strength tests.  
• Max force: 25 kN  
• Max travel: 950 mm (37.4")* | ![TT-i 50](image3.png) | • The TT-i 50 kN has the power, rigidity and reliability for top-end testing of high strength materials, bonds and products.  
• Max force: 50 kN  
• Max travel: 1100 mm (43.3")* |

* Crosshead travel measured without loadcell or grips

### Loadcells

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| ![ILC](image4.png) | • Choose from a wide range of interchangeable 'intelligent' loadcells.  
• 2 N to 50 kN |
| ![ILC-S](image5.png) |  

### Grips

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<th>Grips**</th>
<th>Description</th>
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| ![Grip](image6.png) | • Rated from 10 - 50 kN  
• Wedge-action grips to firmly hold samples without slippage - suitable for flat or round samples. |
| ![Grip](image7.png) | • Flat-faced grips - available with various jaw faces (serrated, wave form and rubber) to securely hold various material-types.  
... and many more |

** 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.

All Mecmesin twin-column test systems can also be supplied with protective polycarbonate guards.

## 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.

### The British Gaskets Group

“We use the Mecmesin MultiTest 10-i system to perform regular quality control tests to guarantee the quality of our supplied materials. Mecmesin provided us with a cost-effective solution to our needs and exceptional customer service. I would have no hesitation in recommending them to other companies with materials testing requirements.”

*Michael Hubbard, Business Quality Manager*

### Soprofen Industrie, France

“Not being an expert in force measurement, I have found Mecmesin to be an extremely capable partner in this field. They ensure that test solutions are found, they offer training in the use of the equipment and they are a competitive supplier of the service and calibration of all our measuring equipment.”

*Michaël Valdenaire, Quality Engineer*