

Spring Testers

Spring Testing is a measure of the compression or tension force exerted by a spring at a specific deflection or length, or the deflection or length of a spring at a specific force.

To **find out more** about **spring testing** visit our [Knowledge Centre](#). (at www.mecmesin.com)

Mecmesin Range of Spring Testers



Computer-controlled Spring Testers

Our top-of-the-range [MultiTest-i](#) spring testers provide optimum testing performance and evaluation options, enabling you to get the most from your test measurements.

- Controlled via **advanced [software](#)**
- **Create sophisticated test programs**
- **Extensive** suite of calculations e.g. **spring rate** and **free height**
- **View data graphically** in real time
- Perform **in-depth evaluation** of results
- Ideal for **Quality Control Laboratories**
- Capacities from **1kN** to **50kN**

Touch Screen Spring Testers



Operated via an easy-to-use touch screen, our [MultiTest-xt](#) test stands enable fast and efficient routine testing on the production floor with one complete solution.

- **User-friendly touch screen** interface
- **Easy-to-use**, requires **minimal set-up time & training**
- **Flexible** - choice of **3 program modes**
- Create and store **multiple test programs**
- **5 'Favourite' buttons** for fast access to frequently used tests
- Measures **force** and **displacement**
- **Colour-coded Pass/Fail** indication
- Ideal for **routine use in production areas**
- **Self-contained system** - no PC required
- Capacities from **1kN** to **50kN**

Both the [MultiTest-i](#) and [MultiTest-xt](#) spring testers provide cycling, pass-fail, loadcell deflection compensation and operator lock-out from programming areas.

Motorised and Manual Spring Testers



Our entry-level [MultiTest-d](#) test stands are a cost-effective solution for straightforward spring tests.

- **Simple** to operate
- Combines with **Mecmesin's digital gauges**; AFG & BFG
- **Rugged design** suitable for **factory floor**
- Comines with data acquisition software for additional **test evaluation options**
- Capacities from **1kN** to **2.5kN**

For basic spring testing applications a Mecmesin manual test stand, such as an [MDD](#) used with either a digital force gauge and digital height scale offers an affordable solution.

Grips and Fixtures

Mecmesin [grips and fixtures](#) are integral components of our test systems. We offer a wide range of fixtures for spring testing applications including [self-levelling compression plates](#), spring supports and safety guards. For specialised requirements we also offer a customized fixture design service to match your specification.



Torsion Spring Testers

As well as our standard spring testers we have designed testers specifically for testing torsion springs.

Over 30 years experience

Please refer to our Solutions@Mecmesin case studies on the right or our [customer testimonials](#) to see examples of how we have helped other customers with spring testing applications.