

Helixa Precision Torque Tester

Mecmesin's Helixa torque tester provides the ideal solution for measuring low and medium torque variations on a variety of delicate or finely-engineered products. Its sensitivity and precise alignment make it suitable for testing high quality assemblies such as those found in the cosmetics, jewellery, pharmaceutical and medical industries.

Precision torque testing ensures:

- Reduced product failure and wastage
- Predictable product use in various situations
- Optimum product design
- Sustained consistency of manufacture
- Compliance with recognised standards

Standards

A number of national and international standards exist requiring the testing of torque including:

- ASTM D3810-97 (2007) Child-resistant Closures
- ASTM D3198-97 (2007) Threaded & lug-style closures
- EN 1707 / ISO 594-2 Luer-lock fittings
- ISO 11068-2 Needles for pen-injectors
- ISO 6475 Metal bone screws for implants

Why Choose Mecmesin?

Aside from the benefits of ensuring product integrity and usability, Mecmesin Helixa torque testing solutions offer:

- Cost-effectiveness
- A wide range of accessories and fixtures
- Highly skilled design team to provide bespoke solutions
- Batch traceability
- 24 month warranty on equipment
- Factory calibration certificates at no additional cost
- Expert global after sales service

Suitable for

The Helixa is extremely versatile. These are some of the applications suitable for precision torque testing:

- Cosmetics containers
- Lipstick tubes
- Watch components
- Rotary switches
- Luer locks
- Pharmaceutical containers and assemblies
- Child-resistant closures



Touch-screen controlled Helixa-xt testing cosmetic packaging

Helixa's motorised stand is available in touch screen and PC-controlled versions to suit production or laboratory conditions.

Contact Mecmesin today

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Models



Helixa-xt with touch screen provides simple operation and is ideal for the production environment



Helixa-i with powerful PC control for laboratory testing

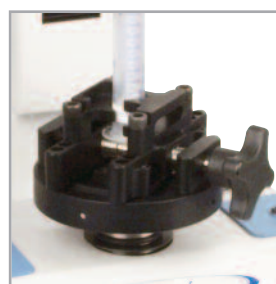


Key Features

- Sturdy design for accurate results
- Precise loadcell alignment for optimum measurement accuracy and repeatability
- Counter-balanced crosshead
- Quick and easy loadcell changing
- Adjustable crosshead height with easy lock mechanism
- Ability to apply upward or downward force during rotation
- Optional bellows attachment protects against dust

Specifications	
Torque transducer range	0.1 to 6 Nm
Daylight height	360 mm (14.17")
Throat depth with bellows	112 mm (4.4")
Throat depth without bellows	127 mm (5")
Concentricity without fixtures	±0.5 mm (0.2")
Speed range	0.1 to 30 RPM
Total height	758 mm (29.84")
Total width	290 mm (11.42")

Accessories



Precision Fixing Plate for securing samples to base



Interchangeable precision torque transducer



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