

Vortex

motorised torque testing system

Mecmesin, one of the world's leading designers and manufacturers of force and torque testing systems, presents the Vortex, a motorised torque measurement system. Across a broad range of manufacturing industries the Vortex sets the standard for precision torque testing, offering repeatability and accuracy at an affordable price. If you wish to assure quality in production, conform to relevant industry standards, optimise design, minimise waste and reduce costs, the Vortex can offer a powerful, versatile and user-friendly solution to torque assessment.

Top-loading capability to apply set loads during torque testing, particularly suitable for child-resistant closure testing.

Adjustable crosshead to accommodate specimens up to 350mm in height. Transducer available in 10N.m, 6N.m, and 1.5N.m capacity.

Versatile Mounting Tables adjustable to accommodate a variety of forms. Custom-designed fixtures available on request.

Solid build quality, carries a CE mark. Hard-wearing and splash-resistant housing ideally suited to both factory & laboratory conditions.

Enable switch must be depressed to run test ensuring safe two-handed operation.



Twin-column test frame. Motorised clockwise or anticlockwise torque application at consistent velocity guarantees testing reproducibility. Speed range 0.5 to 15 rpm.

AFTI Digital Torque Display with integrated peak torque capture, pass/fail alarms and overload warning. Data may be stored internally or transmitted to peripheral data logging devices for in-depth analysis.

LED power indication. Fused mains power inlet at back with on/off rocker switch, and emergency stop button on front panel.

Torque direction selection for application or release torque measurement.

Digital speed or angular displacement display

Applications

The Vortex is widely used across the food and beverage, medical, pharmaceutical, cosmetics, homecare/DIY, automotive and aerospace industries. Some typical applications include,

- Mobile phone 'flip' test
- Release and application torques of screw closures
- Characteristic torques of child-resistant closures
- Electrical controls, rotary switches, dials and screw connectors
- Medical device testing
- Automotive and aerospace controls
- Toy testing
- Industrial taps and valves
- Any other rotary components requiring torque analysis



Uchoose

Each module of the Vortex is sold separately so that you only need purchase the parts you require. Build your system from the following elements,



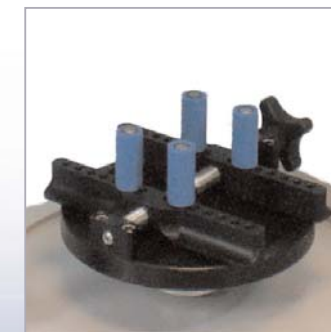
Vortex Motorised Torque Stand



AFTI Display



Vortex Static Torque Transducer (choose from 10, 6, or 1.5N.m maximum capacity)



Lower Mounting Table, 10 - 160mm opening



Upper Mounting Table, 8 - 55mm opening (not recommended for use with 1.5N.m sensor)

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