

# CRC Tester




## The Mecmesin CRC Tester enables simultaneous measurement of the compressive force and torque employed to open a child-resistant closure (CRC).


From pharmaceuticals and cosmetics to household and industrial chemicals, CRC's are commonly employed throughout an array of industries to avoid children coming into contact with harmful substances. In designing CRC's, however, a fine balance must be struck between security and accessibility. The Mecmesin CRC Tester enables packaging manufacturers to perfect the design of their products and guarantee consistent quality in production, by offering a simple, cost-effective and yet highly accurate solution to characterising the force and torque of 'push-and-twist' closures.

### Key Features

- Simultaneous Display of Top-load & Release Torque
- Accurate Digital Force Gauge & Torque Transducer
- 500 N (110 lbf) Load Capacity
- 10 N.m (90 lbf.in) Torque Capacity
- Data Output for Easy Recording of Results
- Mains &/or Battery Powered
- Test to International Standards, including:
  - ASTM D3472-97
  - ASTM D3475-97
  - ASTM D3810-97
  - ASTM D3968-97
  - ISO 8317

### CRC Tester Technical Specifications

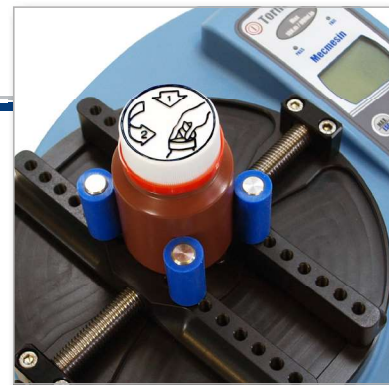
	Force	Torque
Measurement range	500 N	0 - 10 N.m 
	50 kgf	0 - 100 kgf.cm 
	110 lbf	0 - 90 lbf.in 
Display resolution	0.1 N	0.002 N.m
	0.01 kgf	0.02 kgf.cm
	0.02 lbf	0.02 lbf.in
Load units	N, kgf, gf, ozf, lbf	mN.m, N.cm, N.m, kgf.cm, gf.cm, kgf.m, ozf.in, lbf.ft, lbf.in
Container diameter	10 - 190 mm	
Sampling rate	5000 Hz averaged to 80 Hz or 2000 Hz peak capture (user selectable)	
System accuracy	±1% of full scale	
Overload	120% of full scale	
Weight	5 kg	
Dimensions (mm)	580 (w) x 210 (d) x 180 (h)	
Part No.	432-421	

 Clockwise & counter-clockwise



**Clear, dedicated displays** for both torque & compressive force.

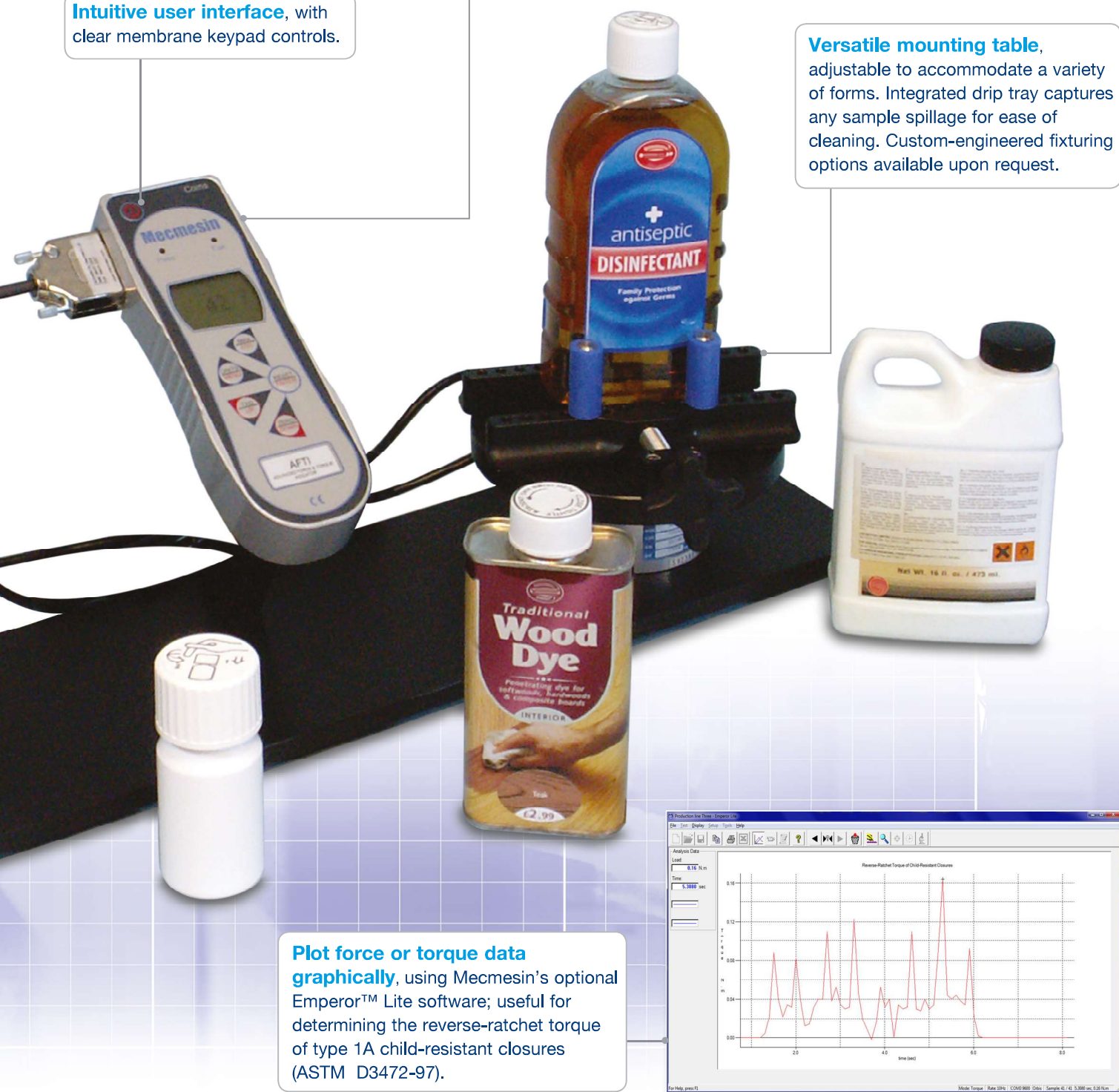
**Solid build quality**; rugged and hardwearing British-engineered chassis.



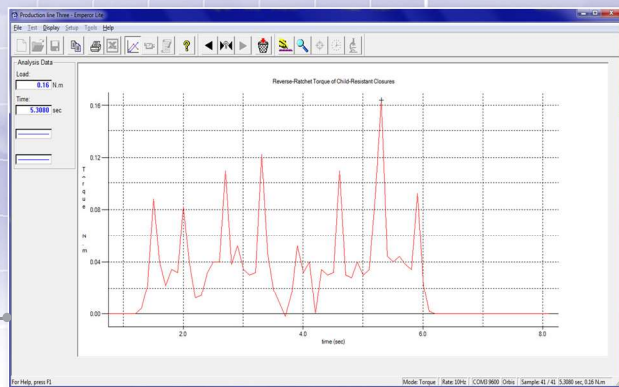
**Mains input;** power directly from mains or by rechargeable battery.

**Intuitive user interface,** with clear membrane keypad controls.

**Versatile mounting table,** adjustable to accommodate a variety of forms. Integrated drip tray captures any sample spillage for ease of cleaning. Custom-engineered fixturing options available upon request.



**Plot force or torque data graphically,** using Mecnecin's optional Emperor™ Lite software; useful for determining the reverse-ratchet torque of type 1A child-resistant closures (ASTM D3472-97).



# Mecmesin

testing to perfection

## Mecmesin - a world leader in affordable force and torque testing solutions

Since 1977, Mecmesin has assisted thousands of companies achieve enhanced quality control in design and production.

The Mecmesin brand represents excellence in accuracy, build, service, and value. In production centres and research labs worldwide, designers, engineers, operators, and quality managers endorse Mecmesin force and torque testing systems for their high performance across countless applications.

[www.mecmesin.com](http://www.mecmesin.com)



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The Mecmesin global distribution network guarantees your testing solution is rapidly delivered and efficiently serviced, wherever you are.



FS 58553

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