



ABC-t

Automated Bottle Closure Tester Datasheet



PHYSICAL
PROPERTIES
TESTERS
GROUP

mecmesin.com

The Mecmesin ABC-t automated bottle closure tester measures both initial slip and bridge torques on a range of Roll on Pilfer Proof (ROPP) closures, with all test results stored and exportable to peripheral devices, spreadsheets and SPC packages.

Features and benefits

- Pre-programmed tests easily selectable
- Closures reapplied to prevent spillage
- Complete process automated
- Simplicity of use
- Repeatable and consistent results
- Increased productivity
- Early identification of capping head adjustment requirements
- Eliminate repetitive strain injury



System overview

Mecmesin is a long-established provider of digital closure torque testing instruments and systems. In response to requests from our users, and using our acknowledged design experience, we have created the ABC-t automated closure tester. This offers the immediate benefits of greatly increased test throughput, and elimination of repetitive strain injury by operators twisting many closures.

All sample positioning and testing movements are pre-programmed and pneumatically actuated, specifically to the customer's requirement. Test control and results analysis are performed by Mecmesin proprietary software.

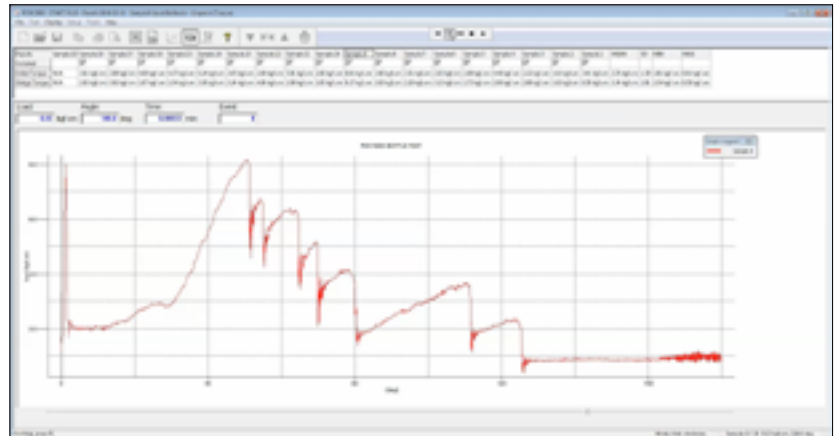
The ABC-t presents a versatile platform that can be tailored to meet the user's specific needs.



System can be pre-programmed for quick test initiation

ABC-t systems can be designed to test several diameters of bottle, all accommodated in a stepped location pocket on the rotary carousel delivering all bottles for testing without operator input.

Samples are taken at regular intervals directly from the bottling line and tested, enabling the performance of the capping head to be optimised with test results fed directly into the factory-wide SPC system for process capability and traceability.



Instant identification of cap bridges breaking shows performance of the capping machine



Print or save reports

Specific information required for quotation

- Torque test type (slip/bridge/removal)
- Typical batch size
- Presentation of test results
- Bottle dimensions (height/diameter/material)
- Closure diameter and material type
- Anticipated torque (Max 6 N.m)

Automation expertise

Mecmesin has an established reputation in closure force and torque testing at every level from design to the production line.

Contact Mecmesin to discuss your requirements, and examples of similar automated solutions.



For more information, visit:
mecmesin.com/automated-bottle-closure-tester



Mecmesin reserves the right to alter equipment
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