

Testing to perfection



WELCOME NOTE:

Welcome to KEMAS KURNIA's newsletter of the 4th Quarter 2021. This newsletter is to keep our customers, up-to-date and informed on Mecmesin's product and service news. We are happy to share with you in the issue the range of affordable top-load testers that Mecmesin have developed to help manufacturers meet the requirements of international and in-house top-load test standards.

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TOP-LOAD TEST

Top-load testing (also known as 'column-crush' and 'axial force resistance') is performed mainly on blow moulded, thermoformed or injection moulded plastic containers. It measures the compressive strength of such containers to ensure they do not deform or break when subjected to axial forces during the processes of filling, closure, storage and transport. Top-load testing is one of the most accurate methods for reliably determining container integrity. Mecmesin is the most well-known test equipment supplier for top-load test.



MultiTest-i with AFG digital force gauge

MultiTest-i with loadcells and PC

MultiTest-xt with loadcells and console

MultiTest-xt Twin-column with loadcells and console

OmniTest with loadcells and PC

EQUIPMENT SPOTLIGHT:

MultiTest-dv Single-column	MultiTest-i Single/Twin-column	MultiTest-xt Single/Twin-column	OmniTest Single/Twin-column
Capacity up to 2.5 kN Motorised	Capacity up to 50 kN Computer-controlled	Capacity up to 50 kN Touchscreen controlled	Capacity up to 50 kN Computer or touchscreen controlled
AFG Force Gauge or ELS Loadcells Basic data analysis via VectorPro Lite software Entry level tester	Full control of test parameters via Emperor software Advanced data analysis Advanced product tester	Full control of test parameters via Emperor software Advanced data analysis Advanced product tester	Full control of test parameters via VectorPro MT software Advanced data analysis Ideal for materials testing



Top-load testing standards

Some of the most common top-load testing standards we're asked by our customers include:

- | | |
|--------------------|------------|
| ISBT PTC-00002 | ASTM D2659 |
| ASTM D7860-14 | USP 1207.3 |
| ASTM D3471 | ISO 8113 |
| *corp QAC-MC-171/F | ISO 8362-7 |
| ASTM D2063/D2063M | |

Mecmesin provides high-quality testing solutions that deliver outstanding performance and longevity, as well as an affordable alternative to many higher-priced systems on the market.



Test for various sizes of bottles



TEST STANDARDS

Mecmesin has extensive experience in developing test equipment to meet the challenges posed by top-load/ compression/ crush testing to international and in-house standards. Top-load testers provide a reliable and accurate solution for meeting design standards and are often sited close to filling lines in production or nearby in the QC laboratory. They may also be applied for testing aluminium and steel cans, large cardboard boxes and plastic or metal drums. Other variants of the top-load test include: Box crush (BCT), Edge crush (ECT), Ring crush (RCT). Mecmesin also have a great deal of experience in delivering customised solutions for unusual packaging profiles. Each equipment comes with its own calibration certificate traceable to national standards.



Test for various forms of bottles



Test for square bottles



DEMOS AND SERVICES

KEMAS KURNIA with more than 25 years business experience are your trusted partner for your actual testing requirement. Our engineers are committed to help you to find the best solutions with suitable Mecmesin equipment and The Mecmesin engineering team can design and build solutions to meet your actual requirements including custom testing equipment, grips and fixtures or bespoke testing systems.

CONTACT US

Please contact our technical sales for demos on your samples material and we can arrange for virtual discussion or visit your factory.

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