

Packaging Testing Solutions

Top-load Testing

- Test 'axial load strength' of PET Bottles for 'lightweighting' or 'downgauging' of raw material
- Measure bottle-height and top-load strength - both performed in one test
- Test standard, irregular or oversized containers
- Complies with **ASTM D2659-11** & other international standards



Crush test on cardboard box



Top-load test using a vented compression plate



Top-load test on PET bottle using a MultiTest 5-xt Touch Screen Controlled Tester. Generate your own report with full test data

Digital Closure Torque Testers

Tornado

The Tornado is a sophisticated digital torque tester with a broad array of useful advanced capabilities, including:

- Tamper-evident closure testing facility; capture both 'slip' & 'bridge' peak torques
- Choice of 4 models: 1.5 Nm, 3 Nm, 6 Nm & 10 Nm capacity
- Tolerance alerting with audible & LED pass/fail alarms
- On board memory of up to 500 readings
- Complies with **ISO13127**

optimise design conformance



Child-resistant closure torque test



10 Nm Saddle plate for Tornado

Orbis

The Orbis is a robust and accurate digital closure torque tester, ideal for ongoing production control and shop-floor use.

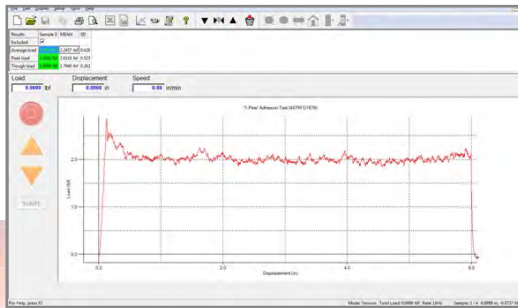
- Capacity 6 Nm, can be switched to lbs.in and kg.cm
- Clear, intuitive controls
- Compact, portable & affordable
- Mains or battery powered
- IP 54 splash proof rating
- Lockable keypad

Peel Testing

- Test openability, adhesive bond and seal strength of plastics and aluminium foils
- Evaluate the bonding strength of tape, adhesives and flexible substrates
- 90°, 180° peel and 'T' peel tests
- Test peel initiation and peel propagation
- Test to **ASTM D1876-08** and other international standards



Peel test on retort film



Peel test



Induction sealed foil tab test



MultiTest 2.5-i
Computer-controlled
Peel Tester

Coefficient of Friction (COF) Testing

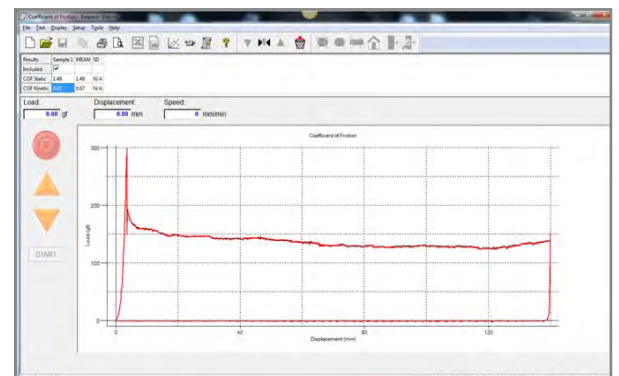
- Characterise the surface roughness of materials e.g. plastic film, paper and foils
- Measure static and kinetic coefficient of friction
- Test to **ASTM D1894**, **BS EN ISO 8295** and other international standards



Coefficient of friction test



Production of
packaging material



Coefficient of friction test

speed, efficiency
reliability

Closure Torque Testing

- Test applied, strip and release torque
- Capture 'slip' torque and 'bridge' torque to test tamper-evident closures
- Test child-resistant (CRC) closures on pharmaceutical containers
- Test metal 'Stelvin' caps on wine bottles & plastic caps on PET bottles
- Choice of manual/motorised testing solutions
- **ASTM, ISO, DIN & other international standards**



Cap closure torque test



Child-resistant closure test



quality,
efficiency,
cost reduction

Vortex-xt Touch Screen
Controlled Torque Tester

Pump Actuation Force Testing

- Ensure usability and consistency in manufacture of aerosols and hand pumps
- Test to **ASTM D6534** and other international standards

openability
extraction force



Dispensing pumps



Spray cans



MultiTest 2.5-xt
Touch Screen
Controlled Tester

Ring-Pulls, Snap-Cap & Cork Testing

- Assess the quality & fitness-for-purpose of ring-pulls on cans
- Measure the compressive force to shut a snap-cap & tensile force to open it
- Test to ISBT Sports Closure Test Methods & ISBT Plastic Flat Top Closure Test Methods
- Test the extraction force of natural & synthetic corks



**usability
consistency**



Snap-cap test



Ring-pull test



Sports closures



Customised cork mandrels



Extraction testing of whisky stoppers



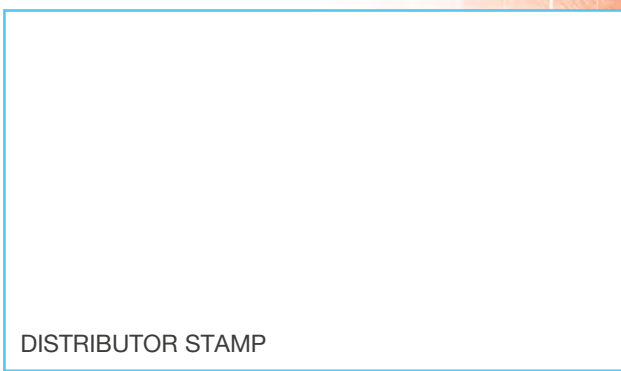
Snap-cap test



Cork
Extraction
Tester



FS 58553



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