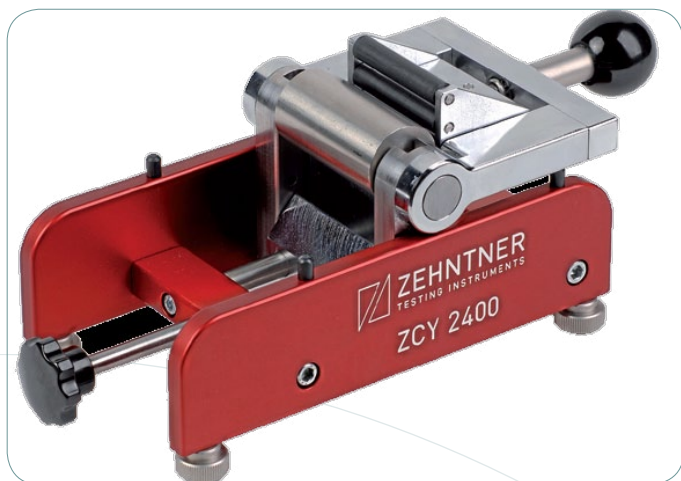


CYLINDRICAL MANDREL TESTER



- Determination of the elongation/flexibility and adhesion of test panels, coatings or related products and its resistance to cracking and/or to detachment from a substrate at bending stress
- Application of the bend test as quick pass/fail test with a single mandrel of specified diameter or as repeated procedure with decreasing mandrel diameters for determining the diameter of the first mandrel causing failure
- Innovative extra sturdy mandrels enable bending of comparatively thicker test panels and the use of comparatively smaller mandrel diameters
- Generously sized test area allows testing of larger test panels
- Sturdy design
- No maintenance necessary
- Easy to handle

Application areas

- Laboratory test apparatus for the paint, varnish and manufacturing industry e.g. powder coatings
- Practically applicable to almost all single and multi-coat systems on test panels
- For quality control and research and development

Features

- Innovative, extra sturdy mandrels enable bending of test panels with comparatively smaller mandrels and the use of comparatively thicker test panels
- Generous area for the test panels so that bigger dimensions can be tested, so extra cutting for fitting can be avoided

Handling

- Define the type of bending test („pass/fail" or „repeated procedure").
- Insert the test panel and clamp it.
- Bend the test panel evenly and without jerking over the mandrel through 180° in a period of 2 to 3 seconds.
- Release the test panel from the mandrel tester and examine it.
- Issue a test report.
- For further details see the corresponding standards.

Technical specifications

Versions	Mandrels	Dimensions	Test panels	Weight	Standards
2400 A.G	6 mandrels with diameter: 3.2 mm (0.13"), 6.4 mm (0.25"), 9.5 mm (0.37"), 12.7 mm (0.50"), 19 mm (0.75"), 25 mm (0.98")	205 mm x 158 mm x 115 mm	max. width: 100mm	3.725 kg	ASTM D 522
2400 A.K		205 mm x 123 mm x 115 mm	max. width: 45mm	2.925 kg	
2400 I.G	12 mandrels with diameter 2 mm (0.08"), 3 mm (0.12"), 4 mm (0.16"), 5 mm (0.20"), 6 mm (0.24"), 8 mm (0.31"), 10 mm (0.39"), 12 mm (0.47"), 16 mm (0.63"), 20 mm (0.79"), 25 mm (0.98"), 32 mm (1.26")	205 mm x 158 mm x 115 mm	max. width: 100mm	3.725 kg	EN ISO 1519
2400 I.K		205 mm x 123 mm x 115 mm	max. width: 45mm	2.925 kg	