

Cold Test Bending Machine

UTM-8400

The Cold Test Bending Machine has been designed for the bending and re-bending tests on reinforcing bars, wire rod and wire for concrete in accordance with the requirements of EN ISO 15630-1.

The test piece is bent over a mandrel. The angle of bend and the diameter of the mandrel is chosen in accordance with the relevant product standard EN 10080.

The bend test is performed with a minimum angle of bend of 180° over a mandrel according to EN ISO 15630-1.

For the re-bend test, the test piece is first bent with a minimum angle of bend of 90° over a mandrel. Once this has occurred, the aging treatment is applied and the test piece is then bent back up to a minimum of 20° according to EN ISO 15630-1.

After the tests, the tension (lower) side of the test piece is visually inspected for cracks or fissure.

Mandrels for bend and re-bend tests should be ordered separately.



Technical Specifications

Maximum Loading Capacity	150 kN
Power	750 W
Piston Travel Maximum Speed	1 mm/sec.
Dimensions	1500 x 665 x 1050mm
Weight Approx.	540 kg

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers