



## Conical Bending Mandrel

**Conical Bending Mandrel** is a laboratory apparatus to bend coated test panels over a conical shaped mandrel in order to assess the elasticity or resistance of a coating paint or varnish to cracking; elongation and / or detachment from a metal test panel in accordance with **ISO 6860 and ASTM D522**.

The conical shape of the bending area allows the deformation of the test panel and examination of the elasticity range of a coating.

The Conical Bending Mandrel Tester is a compact, robust instrument made of enameled steel which is suitable for table-top use. The conical mandrel and the pivoted pressure roller running parallel to the surface of the cone are made of steel. The clamping device is equipped with a cam lever which ensures a rapid and uncomplicated change of specimens. The conical mandrel bending test is a commonly used testing method for assessing the flexibility and the adhesion properties of coatings when these are subjected to bending stresses.

**MODEL NO. TX-CBM-100**





## KEY SPECIFICATION

Conical Cylinder	Diameter of Conical Cylinder 3.1mm $\pm$ 0.1mm and 38 mm $\pm$ 0.1 mm
Length of Conical Cylinder	8 Inch
Max Sample Thickness	0.8 mm
Sample Clamp	Hand Operated Lever
Conical Cylinder Material	Stainless Steel
As per Sample size	75 mm x 150 mm

## HIGHLIGHT

Measuring Scale	1 (Inbuilt in Machine)
Steel Roller	1 (Inbuilt in Machine)
Material / Finish	Mild Steel Bright Chrome Plated for corrosion Resistant finish

### Optional:-

- Bending mandrel with multiple mandrel size also available on request

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### OUR OTHER PRODUCTS :-

Box Compression Tester	Suff Resistance Tester	Tensile Tester Digital	Spectrocolorimeter	Cobb Sizing Tester	Digital GSM Balance

