

## TQC MANUAL CUPPING TEST

SP4400

MANUAL

### 1 SAFETY PRECAUTIONS

- Never put limbs in the clamping area.
- Always have the clamp properly tightened during testing
- Never test chattering or breaking materials like glass or acrylics that chatter when exerted to high forces.
- Avoid using it in over-high or over-low temperature environment .
- Avoid humidity .



### 2 PRODUCT DESCRIPTION

Revolutionary apparatus for testing the resistivity of coatings at various stages of deformation in accordance with ISO 1520. The built in gear-box minimizes the manual force which is required to deform the test panel, allowing to perform a smooth deformation. The degree of deformation is digitally displayed at a resolution of 0.01 mm. Mandatory test in Qualicoat, QIB and GSB accredited laboratories.

#### 2.1 Specifications

Max. sample thickness:	: 1,2 mm (steel or aluminum)
Max. sample width	: 95 mm
Max sample length	: infinite
Punch diameter	: 20 mm /hardened steel
Die diameter	: 27 mm /hardened steel
Gauge resolution	: 0,01 mm
Cupping Range/Stroke	: 14 mm
Displacement per revolution	: 0.50 mm per handle revolution
Instrument Height	: 370 mm (excl lamp/magnifier)
Instrument diameter	: 230 mm (excl. lamp holder)
Cylinder Diameter	: 236 mm
Base diameter	: 300 mm
Total weight	: 16 kg.
Materials	: Anodized aluminum, Stainless steel, Powdercoated steel, Tungsten Carbide steel

### 3 STANDARDS

EN-ISO 1520, BS 3900 E4

Look up the appropriate standard for a correct execution of the test.

### 4 WHAT'S IN THE BOX?

- TQC Manual cupping test
- Digital micrometer
- Calibration plate
- 1mm Allen key
- User manual

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