Digital Cupping Tester

B **GD 309 Cupping Tester** is applicable to evaluate crack resistance and detachment from the metal substrate of coated surface which is coated with paint, varnish, etc., after the coating layer is deformed gradually under standard condition. The sample panel（max. 1.25mm thick×70mm width, coated min.0.03mm）is clamped by an upper wheel and manually cupped by a φ20mm hemispherical indenter onto a φ27mm die by a drive wheel. The depth to cause failure is indicated on a precise digital display. The results can be easily observed with an illuminated magnifier

◆ Compliance with ISO 1520、BS 3900 Part 4, DIN 53166, DIN 53233 etc

◆ Automatic coordinate positioning system: tester can memorize the home position after being zeroed, also track the punch's position automatically. Therefore, the traditional error caused by return or shake can be avoided.

◆ Highly precise position sensor: the minimum division value of the depression depth can reach 0.01mm.

◆ Applicable for every kind of substrate, and the maximum pressure can reach 2,500N.

◆ The coordinate position of the plug can be zeroed manually and can be memorized.

◆ Come with 10X illuminated magnifier, convenient to observe and judge test result.

◆ Hand twist operation: laborsaving and easy-handling.

Main Technical Parameters：

★ Diameter of punch：φ20mm

★ Maximum dent thickness：12mm

★ Maximum depress power：2,500N

★ Resolution of dent：0.01mm

★ Counter：digital display, in 0.01mm increments

★ Dimension of test panel：150mm×70mm×（0.03−1.25）mm（Smooth, not deformed）

★ Material：polished steel panel

★ Net Weight：28KG

★ Overall Size：290mm×240mm×370mm （L×W×H）

★ **Ordering Information:**
BGD 309−−−Digital Cupping Tester

Scan for video