

# Automatic Cupping Tester

## BGD 310

### Product Description

---

The BGD 310 is an automatic cupping tester, an enhanced version of the BGD 309. Its punch rises automatically at a speed of 0.2mm/s, eliminating errors associated with manual lifting. Equipped with a high-definition screen, operators can clearly observe damages (cracking) on tested specimens, facilitating more precise and easily interpreted test results.

This automatic cupping tester conforms to international standards such as ISO 1520, BS 3900 Part 4, DIN 53166, DIN 53233, and others.



### Standards

---

- ISO 1520
- BS 3900 Part 4
- DIN 53166
- DIN 53233

### Technical Specification

---

- The punch is lifted automatically at a constant speed of 0.2mm/s, ensuring reliable and comparable test results
- Automatic coordinate positioning system: the machine memorizes the home position after being zeroed and locates the punch position automatically
- High-power magnifier and a high-definition screen make judging test results easier and more direct, without the need to focus during the entire test
- The lifting distance of the punch can be freely set from 0 to 18mm
- High-precision raster displacement sensor for accurate positioning, with precision reaching  $\pm 0.01$ mm
- The maximum width of the test panel can be 90mm

## **Automatic Cupping Tester**

**BGD 310**

### **Main Technical Parameters**

---

Diameter of punch:	Ø20mm (0.8 inch)
Maximum dent depth:	18 mm
Maximum depress power:	2,500 N
Precision of dent:	0.01 mm
Suitable thickness of test panel:	0.03-1,25 mm
Dimensions:	466x322x500mm (LxWxH)
Weight:	52 kg

### **Disclaimer**

---

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development