

Rotational Abrasion Tester

BGD 523/S Rotational Abrasion Tester is a new multifunctional paint film/wood abrasion tester designed by our company. This product complies with ISO 7784-2, ISO 9352, GB/T 1768, ASTM D 3884, ASTM D 1175 and other standards, easy to operate, novel appearance, stable performance, accurate and reliable test data, and can compete with similar foreign products.

Working principle: put the material to be tested on turntable, two abrading wheels press on the material with a certain weight to make it abraded. Abrading wheels rotate with the sample disk, generating relative motion and abrasion, during rotation process, the deviation of abrading wheels axis relative to turntable axis generates sliding motion, thereby rub the material. When the 10cm × 10cm sample is subjected to abrade, its surface material is abraded by all-angle particles or silk-like objects to form a complete ring. This can simulate the actual use conditions or meet the test conditions specified in the standard.

BGD 523/S abrasion tester is mainly suitable for testing flat products, such as: suitcases, carpets, cardboard, clothing, glass, plastic coatings, tiles, metal coatings, paint, varnish, decorative sheets, high-voltage sheets, plastics, textiles, elastic floor mats, traffic paint, anodized layers, blankets, electronic components, decorative panels, wax, labels, leather cases, dental materials, automotive interior decorations, resins, furniture, etc.



Feature

- ◆ Colorful touch-screen operation and display various parameters, intuitive, simple and convenient
- ◆ Can select many different sorts abrasion medium and accessories for different tests
- ◆ Replace the workbench to be compatible with wood abrasion test (specimen' s thickness can be up to 25mm)
- ◆ Two speeds (60 rpm or 72 rpm), 0-99999 revolution and 3 loads can be set to ensure the stability and accuracy of the test
- ◆ Strict pre-shipment product quality control ensures reliable test results
- ◆ Device for quick loading and unloading of abrading wheels
- ◆ The selected abrading wheels and abrasives are strictly quality controlled, with high quality and good stability
- ◆ Equipped with cleaner to remove abrasive dust
- ◆ The vacuum nozzle height can be precisely adjusted to accommodate sample' s thickness
- ◆ Abrading arms and fixing sleeve of abrading wheel have been calibrated and balanced
- ◆ Precise stainless steel weights (deviation less than 1 gram)
- ◆ Equipped with S-11 abrasive rubber wheel pre-abrasive paper from Taber company to ensure the comparability of each test result
- ◆ The instrument supplies power to the vacuum cleaner, which starts and stops simultaneously with the start and stop of the test.
- ◆ With emergency stop switch

Main Technical Parameters:

- ★ Platform speed: 60 ± 2r/min or 72 ± 2r/min
- ★ Load weight: 500g, 750g, 1000g
- ★ Range of count: 0 ~ 9,999 times
- ★ Specimen size requirement: diameter 100mm with a hole in the middle
Thickness: BGD 522→20mm ~ 25mm; BGD 523→0 ~ 6mm
- ★ Dimension of abrasive sheet: Φ50 × Φ16 (center hole) × 13mm
- ★ Main motor power: 25W
- ★ Rubber abrasive wheel: original Taber company; outer diameter (5.16 ± 0.1) mm; thickness (12.7 ± 0.1) mm
- ★ Power supply: 220V; 50Hz
- ★ Overall Size: 340mm × 250mm × 300mm (W×D×H)

★ Ordering Information:

- BGD 522/S---Rotational Abrasion Tester (for wood)
- BGD 523/S---Rotational Abrasion Tester (for paint film)
- CS-10---Taber Abrading Wheels (For Organic coatings, plastics, textiles, leather)
- CS-17---Taber Abrading Wheels (For Anodized aluminum, powder coatings, ceramics, plastics and enamels)
- S-11---Taber Refacing Disc (150 grit abrasive paper, typically used for refreshing resilient wheels. 100 mm diameter with a 6.35 mm center hole, 100 purchase)
- BGD 1200---Wood abrasion bench
- BGD 1368---AP 180# emery cloth strips (100 strips/box)
- BGD 1372---Fixing ring for soft specimen (such as coatings on paper or cloth)
- BGD 2601---Glass panel with circular hole (diameter 100mm, with a small hole of 10mm in the center; 100 pieces/box)
- BGD 2328---Aluminum panel with circular hole (diameter 100mm, with a small hole of 10mm in the center; 100 pieces/box)
- BGD 2339 ---Standard zinc panel for calibration (10 pieces/box)



CS-10



CS-17



Cleaner

