

## Turnable Abrasion Tester

**B** GD 523/S Turnable Abrasion Tester is applicable to determine abrasion resistance performance of various coatings. It is also used to determine abrasion resistance of paper, plastic, textile fabric, decorations, etc.

Two abrasive rubber wheels are mounted to pivoting arms and pressed onto the coating of the rotating test specimen applying the agreed test load. The eccentric arrangement of the axes of the abrasive wheels relative to the axis of rotation causes a crosswise abrasive wear in a ring-shaped zone (the area is about 30 sq.cm). The loss of mass of the coating caused by abrasive wear after the agreed number of cycles is determined.

The degree of abrasion for the specimen also depends on the load force (500g, 750g or 1000g on each arm) being acted onto the axial of the 2Arms, which has a load pressure of 250g.

It confirms to DIN 52347 53109 53754 53799

ISO 5470, 9352, 3573, 4586-2, 7784-2

ASTM C217, D1044, D3389, D4060, D5342



### Feature

- ◆ Operate and display all parameters by a color touch screen, more visual, simple and convenient.
- ◆ Changeable working platform for wood abrasion (The test panels max. thickness can be up to 20mm)
- ◆ Can select many different sorts abrasion medium for different tests
- ◆ Specimen turntable speed control options of both 60 rpm and 72 rpm.
- ◆ LCD display for accurate and convenient setting and monitoring to the whole test.
- ◆ Three different precise stainless steel weights (500g, 750g, 1000g) ensure the different requirements for different loads. Weights are marked to show total load on each wheel. This marking includes the weight of the abrading arm (250 grams)
- ◆ Abrading arms and fixing sleeve of abrading wheel have been calibrated and balanced before leaving factory.
- ◆ A vacuum system is included and equipped with cleaner to move the loose abrading's or any dirt
- ◆ A precision vacuum nozzle adjustment control allows the height to be modified for accommodating varying specimen thickness.
- ◆ A Quick Release Mounting Hub permits quick wheel mounting without the need of a locking nut.
- ◆ The cleaner is powered by abrasion tester, stopping test means stopping cleaner
- ◆ Equipped with S-11 Resurfacing medium disc from Taber company
- ◆ Equipped with a pair of standard abrasive rubber wheel CS-10 or CS-17 from Taber company

#### Main Technical Parameters:

- ★ Platform speed: 60 ± 2r/min or 72 ± 2r/min
- ★ Range of count: 0 ~ 99,999 times
- ★ Specimen size requirement:  $\Phi 100 \times \Phi 8$  (center hole)  $\times 3\text{mm}$  Thickness: BGD 522/S  $\rightarrow 0\text{mm} \sim 20\text{mm}$ ; BGD 523/S  $\rightarrow 0 \sim 6\text{mm}$
- ★ Dimension of abrasive sheet:  $\Phi 50 \times \Phi 16$  (center hole)  $\times 13\text{mm}$
- ★ Load weight: 500g–750g–1000g
- ★ Main motor power: 25W 220V 50Hz
- ★ Overall Size: 340mm  $\times$  250mm  $\times$  300mm (L  $\times$  W  $\times$  H)
- ★ Net Weight: 20KG

#### ★ Ordering Information:

BGD 522/S---Turnable Abrasion Tester ( for wood )

BGD 523/S---Turnable 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 Resurfacing Disc ( 150 grit abrasive paper, typically used for refreshing resilient wheels.100 mm diameter with a 6.35 mm center hole, 100 pcs )

BGD 522/J-003---Working Platform for wood abrasion

BGD 522/J-040--- Fixing ring for soft specimen.

BGD 522/Z-001---180 # Emery cloth stripe ( pack of 100 )

BGD 2601---Glass Panel with circular hole ( pack of 100 )

BGD 2328---Aluminum Panel with circular hole ( pack of 100 )

BGD 2339---Standard Zinc Panel for calibration ( pack of 10 )



CS-10



CS-17



Cleaner

