

## Multifunction Abrasion Scrub Tester

**B GD 528 Multifunction Abrasion Scrub Tester** is a powerful abrasion tester. By changing different abrasion heads, it can conform all testing standards for linear reciprocating abrasion, including wet abrasion scrub, sponge washability, scrub resistance, cleanability, dirt pickup resistance, MEK test, Rub test etc.

Moreover, this machine use touch screen to operate, user can set all required test parameters directly through touch screen, and also can check its working status at any time. Very easy and convenient to operate it.

### Standards:

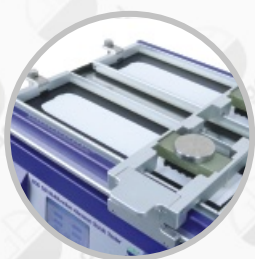
- ISO 11998 《Paints and varnishes - Determination of wet-scrub resistance and cleanability of coatings》
- ASTM D 2486 《Standard Test Methods for Scrub Resistance of Wall Paints》
- ASTM D 3450 《Standard Test Method for Washability Properties of Interior Architectural Coatings》
- ASTM D 4213 《Standard Test Method for Scrub Resistance of Paints by Abrasion Weight Loss》
- ASTM D 4828 《Standard Test Methods for Practical Washability of Organic Coatings》
- ASTM D 5402 《Standard Practice for Assessing the Solvent Resistance of Organic Coatings Using Solvent Rubs》
- ASTM D 4752 《Standard Practice for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub》
- ASTM D 7835 《Standard Test Method for Determining the Solvent Resistance of an Organic Coating Using a Mechanical Rubbing Machine》
- DIN EN 13300 《Paints and varnishes - Water-borne coating materials and coating systems for interior walls and ceilings》

### Features:

- ◆ With double working channels, each channel is equipped with a separate container for scrub medium . Operator can use two different type mediums to do two different tests, also can do wet abrasion and dry abrasion test at the same time.
- ◆ Working speed can be set from 5-95 times/minutes freely; Working distance can be set from 0-300mm freely, meet with different standards.
- ◆ Push-rod design for reciprocating motion, thus working speed is more stable and more even and can get more reliable test results.
- ◆ With peristaltic pump, operator can set and control precisely scrub medium flow
- ◆ Installing and dismantling test panels or replacing different abrasion heads is more convenient and faster.
- ◆ All machine is made up of aluminum alloy, beautiful and strong, has a longer service time.
- ◆ Compatible for 110V/220V and 50HZ/60HZ

### Main Technical Parameters:

- ★ Stroke Length: 0 ~ 300mm ( adjustable )
- ★ Frequency of travel : 5 ~ 95 times/min ( adjustable )
- ★ Range of count: 0 ~ 99,999 times
- ★ Size of test plate: 430mm × 150mm × 0.03mm
- ★ Power of motor: 25W
- ★ Power: 110V ~ 220V; 50/60 Hz
- ★ Overall size : 500mm × 460mm × 280mm (L × W × H )
- ★ Capacity of Water Container: 500ml × 2



Two brush holders for side by side testing



Distance Adjustment Handle

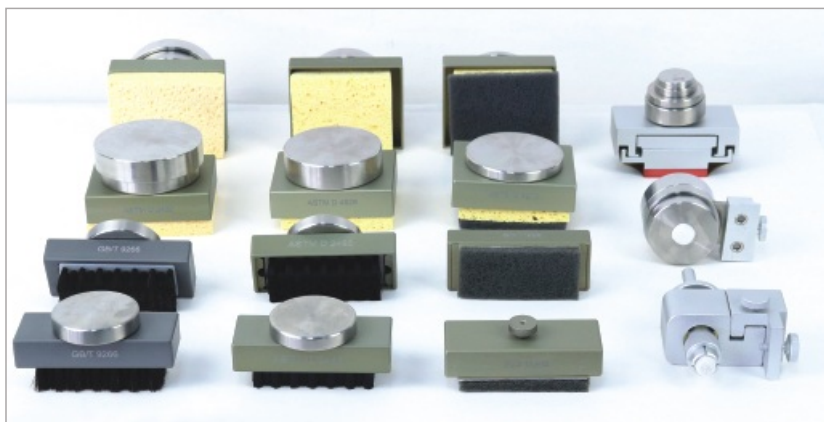


Water Container + Shelf



Scan for video

## Multifunction Abrasion Scrub Tester



### Ordering Information:

BGD 528---Multifunction Abrasion Scrub Tester

BGD 1179---Abrasion Heads for DIN 53778 ( Hog Bristle Brush+Weights, total weigh is  $250 \pm 10g$  )

BGD 1182/B---Abrasion Heads for ASTM D 4752&D 5402 ( Absorbent cotton gauze+Weights, total weigh is  $1000 \pm 10g$ ; Abrasion area  $1.5 \text{ cm}^2$  )

BGD 1182/C---Abrasion Heads for ASTM D 7835 ( Absorbent cotton gauze+ Weights, total weigh is  $3000 \pm 50g$ ; Abrasion area  $2.0 \text{ cm}^2$  )

BGD 1184---Abrasion Heads for Rub Resistance ( For printed materials, Offset paper+weights, total weight is  $20N \pm 0.2N$  )

BGD 1185---Abrasion Heads for ISO 11998 ( 3M Scotch Brite handpads+Weights, total weight is  $135 \pm 1g$  )

BGD 1186---Abrasion Heads for ASMT D 2486 ( Nylon+Weights, total weight is  $454 \pm 10g$  )

BGD 1187---Abrasion Heads for ASTM D 3450 ( Sponge+Weights, total weight is  $1,500g$  )

BGD 1188---Abrasion Heads for ASTM D 4213 ( Sponge+3M Scotch Brite handpads+Weights, total weight is  $470 \pm 10g$  )

BGD 1189---Abrasion Heads for ASTM D 4828 ( Sponge+Weights, total weight is  $1000 \pm 10g$  )

BGD 1190/A---Abrasion Heads for Alcohol Resistance (  $1 \text{ cm}^2$  area, 25g/50g/100g/200g/500g weights+Cotton gauze )

BGD 1190/R---Abrasion Heads for Rubber Resistance ( 25g/50g/100g/200g/500g weights+5 rubbers )

BGD 1197---Locating Frame for brush&abrasive pad ( Used in conjunction with BGD 1179, BGD 1185 and BGD 1186 )

BGD 1198---Locating Frame for sponges ( Used in conjunction with BGD 1187, BGD 1188 and BGD 1189 )

### Consumables :

BGD 1045 ---Abrasive pad ( 3M Scotch Brite® handpads )  
( ISO 11998; Size---  $90 \times 39\text{mm}$ ; Pack of 50 )

BGD 1364---Special nylon brush ( ASTM D 2486; 1 pair )

BGD 1365/A---Hog Bristle Brush ( 1 pair )

BGD 1510---Sponges (ASTM D 3450; 12 purchase)

BGD 1511---Sponges (ASTM D 4213 & ASTM 4828; 12 pcs)

BGD 2355---Brass Shim (  $165\text{mm} \times 12.7\text{mm} \times 0.25\text{mm}$ ; pack of 10 pairs )

BGD 2208---Black plastic panel (  $432\text{mm} \times 165\text{mm} \times 0.25\text{mm}$ ; pack of 100 )



Black plastic panel