

Wet Abrasion Scrub Tester with Image Recognition

BGD 526-S

Product Description

BGD 526-S Wet Abrasion Scrub Tester with Image Recognition

In the assessment of wall paints and related products for scrub resistance, operators are tasked with recording the number of cycles required to remove a continuous thin line of paint film spanning the 12.7mm (1/2 in.) width of the shim. However, accurately judging this 12.7mm length poses a challenge as different operators often have varying standards. To ensure precise and prompt determination of the test endpoint, operators not only need to predict the cycles of scrub resistance but also accurately identify the length of the removed paint film, which can be quite challenging during practical operations.



The BGD 526/S Wet Abrasion Scrub Tester with Image Recognition addresses these challenges by automatically identifying and calculating the length of the test sample from abrasion to the substrate (exposed bottom). This innovative equipment can simultaneously monitor the wet abrasion scrub of samples from two channels, eliminating the need for on-site monitoring. Once the exposed length of the test sample reaches the operator-set "threshold," the instrument halts automatically, recording the current scrub times, thereby enabling unattended operation. Additionally, operators can review actual pictures of the test panel post-scrubbing as many times as needed and export these images to a U disk for further analysis.

Standards

On request: ASTM D 2486, ISO 11998 *, ASTM D 3450, ASTM D 4213, ASTM D 4829 or DIN 53778

* does not require peristaltic pump

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Technical Specification

- Double working channel, with each channel capable of visually measuring the length of the exposed bottom. It halts automatically upon reaching the set threshold
- Equipped with an 8-inch touch screen for clear display and smooth operation
- Compatible with various abrasion pads to meet different standards requirements, including ISO, ASTM, DIN, etc
- Quick and easy loading and unloading of testing samples and replacing abrasion heads
- Operates efficiently under different voltage and frequency conditions
- Stable and uniform running speed due to the push rod design
- Features two brush holders for simultaneous side-by-side testing
- Long service life with a hard and durable design
- Entire machine body crafted from anodized aluminum, ensuring stable working status and repeatable test results even at the highest stroke speed
- Solution (scrub medium) flows into the brush through the peristaltic pump on the side of the tester, allowing for accurate control
- Brush weight: (450±10) g
- Speed: setting range is (5~95) times/min, with a visual detection range of (5~60) times/min
- Adjustable stroke length ranging from 0 to 300mm, catering to various test requirements
- Count range: 0 to 99,999 times
- Glass plate size: 430mm × 306mm
- Liquid container capacity: 1L
- Power: AC 110V/220V, 50Hz/60Hz
- Overall dimensions (mm): 590 × 460 × 720
- Net weight: 30 KG

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Main Technical Parameters

Ordering Information: BGD 526/S - Wet Abrasion Scrub Tester with Image Recognition

Disclaimer

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