



Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

Sutherland® 2000 Rub Tester

The Sutherland Rub Tester was designed to determine the abrasion resistance of printed materials. The tester is a motor driven instrument that moves a weighted test strip over a printed specimen through an arc. The testers quick strokes simulate some types of rub damage including shipping damage.

The Sutherland®2000™ motor offers a few speed options. These speeds allow the customer to customize the testing procedure to their individual product. The higher speeds will reduce the long test times needed for certain types of substrates (plastics, UV varnished, printed films, etc.).

- 21 cycles per minute
- 42 cycles per minute
- 85 cycles per minute
- 106 cycles per minute

The Sutherland®2000™ incorporates a digital counter with a fiber optic sensor to ensure the accuracy of the number of rubs for a given test. Simply enter the number of rubs desired and the instrument will stop automatically at exactly the correct number of strokes. A single mounting pad for the test strip is cut to fit the weight. Two pound and four pound weights and scoring fixture are included.



The Sutherland Rub Tester is designed to evaluate the scuffing or rubbing resistance of the printed or coated surface of paper, paperboard, film, etc. The test results are reproducible.



▲ Sutherland Rub Tester showing two pound and four pound weights and the scoring device. The upper receptacle of the timer is for remote timer control. The lower receptacle is the same voltage as the instrument.

Features

- Customizable test speeds
- Digital counter w/ automatic stop
- 110 volts single phase (standard)
220 volts optional (additional cost)
- Testing Ability:
 - Dry Rub
 - Wet Rub
 - Wet Bleed or Transfer
 - Wet Smear
 - Functional Rub
- ASTM D5264, ASTM F1571,
ASTM F 2497, TAPPI T830,
FINAT FTM 27

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