



Rub Resistance Tester

Scuff Tester





RUB PROOFNESS TESTER (Scuff Tester)

Rub Proofness Tester, measures how effectively printing ink adheres to paper or board. Conforming to BS 3110, the instrument evaluates the extent of color transfer from printed or coated materials due to rubbing – a condition which frequently occurs during the handling and shipment of packaged goods.

Linux Rub Proofness Tester measures the resistance to rubbing of printed paper or board. It can also be used to measure color transfer from printed or coated material during rubbing.

PRINCIPLE:

Linux Rub Proofness Tester consists of two discs capable of rotating in plane contact at the same angular speed, the pressure between the discs being determined by a dead load applied to the upper disc. The action of the machine is such that uniform rubbing is obtained in all directions over the whole of the surface of the smaller disc. The normal arrangement of the machine is that the center of the larger disc is on the circumference of the smaller but it may be an advantage on occasions to decrease the distance between the centers of the discs and provision is made for this to be possible.

Applications:

- Printed Carton Board
- Paper

Specifications:

- Pressure weights : 0.5, 1 & 2 PSI
- Number of cycles : 0-9999
- Rubbing speed : 60 +/- 3 cpm
- Power : 220 VAC, 50Hz Single Phase

Machine Accessories:

- Three weights for testing different materials
- Sample cutter to cut sample to exact size
- Foam and Adhesive
- Hammer
- Wooden box for storage of accessories

Standards:

Conforming to National and International Standard

- BS 3110

RUB PROOFNESS TESTER (Micro Digital)

Model: RPTMDSS

Features:

- Indication of completed number of rubs on digital LED display
- Programmable number of rubs, ensures that the machine stops after reaching the fixed rubs
- Buzzer prompts automatically when test is finished
- Stainless steel construction
- Basic ease of use

Dimensions:

- Depth : 450 mm
- Height : 510 mm
- Width : 340 mm

Weight:

- Net Weight : 38 kgs
- Gross Weight : 70 kgs



RUB PROOFNESS TESTER (Analog)

Model: RPTSS

Features:

- Imported analog click counter
- Compact size and sound less operation
- Direct blower to remove any loose dust or print material
- Stainless steel construction
- Almost Nil or Low maintenance
- Basic ease of use

Dimensions:

- Depth : 350 mm
- Height : 510 mm
- Width : 350 mm

Weight:

- Net Weight : 36 kgs
- Gross Weight : 68 kgs



INK RUB TESTER (Sutherland Type)

Sutherland type rub tester for ink rub test is a new type testing machine designed to measure scuffing or rubbing resistance. Several tests can be performed including dry rub (the amount of transfer of ink from one dry surface to another), wet rub (the amount of transfer of ink from wetted surface to another).

It is professionally applicable to the abrasion resistance test of surface coating layers of printed materials, e.g. ink layer or photosensitive (PS) coating. This instrument can effectively analyze the problems of poor abrasion resistance, ink layer falling off, lower printable force, and bad hardness of coating layers of printed materials.

PRINCIPLE:

Linux Ink Rub Tester is a motor-driven device for moving a weighted test specimen over the printed or unprinted sample through an arc of 57 mm (2.25 in.) for a predetermined number of strokes. A stroke comprises one complete to-and-fro motion of test weight. Movement with four fixed rubbing speed at the rate of 21, 42, 85 and 105 strokes per minute.

Weights of 0.9 and 1.8 kg (2 and 4 lb) are provided, each having 5160 mm² (8 in².) of effective contact area. Thus, the 0.9-kg (2-lb) weight provides a contact pressure of 1.7 kPa (0.25 lb/in².), and a contact pressure of 3.4 kPa (0.5 lb/in².) is provided by the 1.8 kg (4-lb) weight.

Applications:

- Printed Carton board
- Printed Corrugated board
- Paper
- Plastics
- Aluminium Film

Specifications:

- Weights : 2 lb and 4 lb
- Number of cycles : 0-9999
- Rubbing speed : 21, 42, 85, 105cpm
- Rub Mode : Arc Reciprocating Movement
- Power : 220 VAC, 50Hz Single Phase

Machine Accessories:

- Two weights for testing different materials
- Two sample cutting template to cut sample to exact size
- Sticking tape

Standards:

Conforming to National and International Standard.

- ASTM D5264
- TAPPI T830
- BS 3110

Calibration:

- Machine calibration against tachometer for rotation speed and weights against standard weights
- Easy traceability to NPL or other similar bodies

SUTHERLAND INK RUB TESTER (Micro Digital)

Model: SRTMD

Features:

- Single button operation activates an automatic test cycle
- Buzzer prompts automatically when test is finished
- Programmable number of rubs
- It will stop automatic when test over
- Compact size and sound less operation
- Stainless steel templates
- LED displays testing data
- Almost Nil or Low maintenance
- Basic ease of use

Dimensions:

- Depth : 470 mm
- Height : 365 mm
- Width : 370 mm

Weight:

- Net Weight : 45 kgs
- Gross Weight : 65 kgs





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