



No. 2305

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### Sutherland ink rub tester

This machine is mainly used for testing wear resistance of dried ink film. It is also used for evaluating ink film color transfer and fuzz of paper. Wear resistance of specimens rubbed together under a certain load is evaluated from color transfer to the white paper and the surface state after the test. Tester configuration: a load is mounted on the arm end and the load continues reciprocating movement in the arc shape at a constant speed.

**Rubbing paper:** 50×200 mm

**Printing specimen:** 100×200 mm

**Specimen block:** phenol resin 100×200 mm

**Sliding element:** rubber 8 mm thick, reciprocation  $43\pm 2$  cycles/min.

**Weight:**  $908\pm 10$  g

**Motor:** 100/110 VAC, 0.065 kW, 50/60 Hz

**Referential standard:** JIS K-5701-2000

**Outer dimensions:** 220×445×310 mm

**Instrument weight:** 30 kg



No. 2308

## No. 2308

### Adams wet rub tester

This tester measures resistance of coated paper against rub-off, which is one of important factors for offset printing management to prevent picking, etc. caused by damping water. On the rubber roll immersed in the vat, the stainless steel drum with specimen on it is mounted and rotated; the drum stops after a certain number or rotations; then, the drum and rubber roll are washed with water, and the water in the vat is put in another container, and evaporated in vacuum at 120°C for four hours; the residue in the vat is weighed. The weighed value is divided by the specimen area to determine the amount of coating material detached per unit area.

**Specimen area:** 76 cm<sup>2</sup> (30×2.54 cm)

**Rubber roll:** 25.4 mm in diameter, 29 mm wide

**Rotation speed:** 175 rpm

**Load:** 0 to 6 N

**Motor:** 100/110 VAC, 0.065 kW, 50/60 Hz

**Outer dimensions:** 430×370×340 mm

**Instrument weight:** 43 kg