

Gravure Printability Tester (Monochrome printing)

Model No. 2270

Needs for gravure printing have been increasing recently, with rapidly advancement of its technology. This tester has been developed under the guidance of the National Printing Bureau, to have functions like those of the practical press. Printing conditions can be set as desired, such as printing pressure, speed, contact angle, and contact pressure of the doctor blade. This machine is composed of impression cylinder, plate cylinder, doctor section, ink vat and driving unit. Ink applied on the plate cylinder in the ink vat is scraped off by the doctor. The plate cylinder contacts the impression cylinder on which the specimen is wound, thereby transferring the ink to the specimen under a constant pressure to complete printing.

Specifications

Printing Speed:	0.23 to 2.0m/sec.
Printing Pressure:	100 to 1000N/cm
Printing Area:	35mm wide, 350mm long
Plate Cylinder:	180mm in diameter, 50mm wide
Impression Cylinder:	180mm in diameter, 50mm Wide (effective width 40mm)
Doctor:	for gravure printing, contact angle and pressure adjustable
Printing Speed Meter:	digital display, circumferential speed directly readable
Referential Standard:	J.TAPPI No.24-2000
Reference:	Proceedings of the Japanese Society of Printing Science and Technology, Vol. 10, No.1, Takahashi, Koyama and Masaki "Ink transfer gravure printing"
Power Source:	three-phase 200/220VAC 50/60Hz
Outer Dimensions:	720 x 530 x 590mm
Instrument Weight:	190kg



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