

KRK KUMAGAI RIKI KOGYO

Seal Press Tester

Model No. 2375

When evaluating workability, including embossing fitness, of paper for crepe paper, towel paper, etc., conventional press-based equipment has drawbacks in that pressure or temperature cannot be set meticulously. With this tester, embossing fitness of specimens can be evaluated against the seal strength needed for paper towel's wrap-around seal section, for example, or for coffee filter's sealed section on the edges. Also, this tester enables to identify the required strength by applying different pressure, temperature and humidity settings and checking the behavior of the sealed sections. To serve the above purpose, the tester incorporates a pressurizing bar with a set of concave and convex-shaped teeth members and a large-sized air cylinder to press the bar down on the specimen. It can operate with a pressure up to 6300 kg and a heating temperature up to 150 °C. In addition, a safety mechanism is employed to allow pressurizing operation to take place only when the operator uses both hands to press the start switch.

Specimen	standard crepe paper 55 to 65g/m ²
Clamping Area	5mm wide×25mm long
Total Clamping Pressure	6,300kgf, pneumatic, steplessly variable
Service Air Pressure	0.8 to 0.9MPa in maximum pressurization
Tooth Geometry	pitch 1.85mm, inclination 10°, for non-standard specimens will be determined based on experiments
Interval Between Upper and Lower Teeth	max. 5mm
Clamping Time	0.5 to 100min
Heating	cartridge heater with tooth plate inserted, upper and lower heater 250W each
Temperature	max. 150°C
Temperature Control	PID and manual regulator
Power Source	max. 5mm
Air Source	0.7Mpa
Outer Dimensions	810×565×840mm
Instrument Weight	205kg



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