

## **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.

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



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