

**Size Gum Tester
Model A**

Model No. 2202-A

The size solution for surface sizing penetrates and stays in the paper surface while it circulates in the group of rollers of a paper-making machine. During this process, gummy aggregations form in the size liquid, affected by the contact heat of continuous paper and mechanical shear force. After winding and drying, such gummy substance forms defects on the paper surface. There are two types of machines, A and B models. The model A is a tester applying nip pressure on the rollers, with a pump to let the size liquid circulate from the constant temperature tank. With this machine, it is possible to reproduce the conditions of an actual paper making machine for the user to know in advance the stability and mixing of ingredients. The model B is a simplified type to take out size liquid from the pan through the lower roll and introduce it into the nip between two rollers. By so doing, the desired shear force is produced, and the observer can monitor and evaluate change in state of the liquid. This tester is also used as a simplified roll coater for the coating machine.

Propelling Roller	150mm in diameter ×300mm long, made of NBR
Pressuring Roller	150mm in diameter ×300mm long, made of stonite
Roll Peripheral Speed	20 to 200m/min.
Roll Pressure	50 to 200N/cm
Driving Motor	three-phase 200/220VAC 50/60Hz 0.4kW steplessly variable speed
Constant Temperature Tank	jacket type 8 liters, 2kW heater
Circulation Pump	monoflex pump
Roller Motor	three-phase 200/220VAC 50/60Hz 0.4kw
Air Source	0.5MPa
Outer Dimentions	710×830×1,050mm
Instrument Weight	280kg



Sold & serviced by:

OpTest Equipment Inc.

www.optest.com - sales@optest.com - +1-613-632-5169