

LAB INTERNAL MIXER

Professional Laboratory

Rubber & Plastics

Mixing Equipment



Dongguan Amade Instruments Technology Co.,Ltd
Amade Technology (Hong Kong) Co.,Limited

Description

Lab Internal Mixer is a high-intensity intermittent mixing equipment developed on the basis of an two roll mill for mixing, kneading and dispersing rubber, plastics and other chemical raw materials. The internal mixer has a pair of rotor blades with a specific shape and rotating toward each other, and can plasticize and mix the materials in a sealed chamber with adjustable pressure and temperature.

Standards

ASTM D3182

ISO 2393, etc.

Main Technical Specifications

Model	AT-R7028 series
Mixing chamber volume	0.2L/0.5L/1L/3L/5L/10L optional
Hardness of chamber and rotor	HRC60
Chamber shape	M + W
Upper pressure of chamber	0.5 ~ 0.8 MPa (connected to external air source)
Rotor type	Banbury or others
Rotational angle of chamber when discharging	110°
Temperature range	Room temp. ~ 300 °C
Heating mode	Electrical heating
Cooling mode	Circulating water
Rotor speed	0 ~ 40 RPM adjustable
Friction ratio	1:1.3
Controller	Microprocessor + buttons or PLC touch screen optional
Power supply	3-phase, AC 380 V, 30 A
Dimensions	1450 mm (W) x 650 mm (D) x 1730 mm (H)