

OPEN-CLOSE KNEADER

Professional Laboratory

Rubber & Plastics

Mixing Equipment



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Description

Open-close type Dispersion Kneader is used for mixing and kneading various polymers that are difficult to clean and expensive, high-hardness, easy-to-contaminate zirconia, alumina, ceramic powder, metal powder, cemented carbide materials etc.

Standards

ASTM D3182

ISO 2393, etc.

Main Technical Specifications

Model	AT-R7030 series
Mixing chamber volume	0.5L/1L/3L optional
Hardness of chamber and rotor	HRC60
Rotor and chamber structure	Can be removable
Upper pressure of chamber	0.5 ~ 0.8 MPa (connected to external air source)
Cylinder ram diameter	80 mm (AirTAC)
Material discharging mode	Open-close
Temperature range	Room temp. ~ 250 °C
Heating mode	Electrical heating
Cooling mode	Circulating water
Rotor speed	0 ~ 40 RPM adjustable (front) / 0 ~ 31 RPM adjustable (rear)
Friction ratio	1:1.39 (customizable)
Controller	Siemens PLC touch screen
Power supply	3-phase, AC 380 V, 35 A
Dimensions	1150 mm (W) x 1300 mm (D) x 2400 mm (H)