

VGI

Individual machine:

1. Dispersion Kneader



Dispersion Kneader X(S) N-25 L

It is the first procedure of this line and it helps to mix and plasticize the synthetic resin and their agents in heating and pressuring situation (both temperature and pressure is controllable). It consists of mixing room, rotator, rotating structure, main drive gears, upper ram pressure equipment, and safety door, heating and cooling equipment and controlling system.

Features for the kneader:

- 1). Rubber& plastic and other additives in a sealed pressurized and temperature controlled conditions, for rubber mixing or plastic mixing, with high efficiency, materials uniformly dispersed, high quality and no environment pollution. It is very easy to change batch materials, color, and clean.
- 2). Rotor shaft, and pressure lid and other parts are jacket structure. If the temperature is too high for materials, put through the cooling water for cooling. With electric heater at the bottom of mixing chamber to meet the technological requirements of plastic mixing. The materials processed feature good and stable quality.
- 3). Spiral angle and working length of the rotor convex edge are designed perfectly reasonable, to achieve the best materials dispersion effect. The rotor edge wing is wear-resistance hard cast alloy welded. All mixing chamber, rotor, and pressure lid that directly contact with the materials by polished after the hard chromium plating, wear-resistant and anti-corrosion.
- 4). Rear feeding(feeding from behind), mixing room turn forward 140° discharge, it not only can facilitate the production process from top to bottom process connection, but also facilitate the observation and cleaning of mixing chamber and the rotors.
- 5). The junction place between upper side of mixing chamber and rack cantilever, using curved plate labyrinth pressure seal structure and effective dust seal. Embedded tungsten cobalt titanium alloy movable coil at the rotor end is contacting with the copper filled PTFE seal ring with the external compression seal structure without lubrication and wear, realizing perfect seal effect.
- 6). Tilt structure adopts high efficiency worm drive, featuring high carrying capacity, and can discharge without stopping, eliminating the frequent motor starting, prolonging its life.
- 7). Electric control system adopts PLC device, with complete and reliable control and monitoring, alarm functions and the necessary chain of protection.
- 8). The machine is durable, low failure rate, easy installation, operation and maintenance, also electricity saving.

Technical Specification:

Technical Parameter	Program	Specification
	model	X (S) N-25
	Net chamber volume	48 Liter
	Working volume of the chamber	25L
	Main motor	30 KW
	Brake motor	1.5KW
	Cylinder diameter	Ø200mm
	Speed of rotating rotor (front/rea	32/26.5r/min
	Tilting angle	140°
	Type of feeding	Feeding from behind
	Overall dimension (L×W×H)	2590×1640×2640
	Overall weight	4500KG

Note :
Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!