



Double Shaft Paddle Mixer Machine NSJ-series



Double shaft paddle mixer machine is also called non gravity mixer machine or twin paddle mixer, it is widely used for drying and mixing of dry powder mortar, chemical, pesticide, detergent, pigment food, monosodium glutamate, milk powder, salt, feed, chemicals, ceramics, plastics, rubber additives, and other powders.

Working Principle:

To reduce the replacement cost of the wearing parts of the device, the paddle can be made into two pieces, and a movable small blade can be placed on the blade base to directly replace the worn small blade, which is economical and quick; the discharge form is generally a pneumatic (manual) flap valve, and the arc valve is closely embedded. Inside the cylinder, it is flush with the inner wall of the cylinder, and there is no material accumulation and mixed dead angle phenomenon; the standard type has a large opening door and a small opening door, and the large opening door is opened to the side of the cylinder, and the discharging is clean and fast, and the residue is small.

The machine is equipped with a pair of shafts rotating in opposite directions in a w-shaped mixing chamber, and a blade having a certain angle and a certain number of overlapping shapes is mounted on each shaft, and a fluid layer is formed in the mixing chamber having a certain peripheral speed. The materials in the layer are mixed under the action of the convection mixing principle and are in a state of weightlessness in an instant, thus obtaining a homogeneous mixture. A liquid ejecting port may also be provided above the container for solid-liquid mixing of the sprayed liquid.

The machine's turning speed is 50%-80% of the critical speed. When the blade distance is small, the critical speed can be approached.

Structural Characteristics:

The double shaft paddle mixer machine makes full use of the principle of convection mixing, that is, the flow layer is formed by the upper throwing motion of the material in the mixer, and the instantaneous weight loss is generated to achieve the optimal mixing effect state. The horizontal cylinder of the machine is equipped with two-axis rotation. Reverse the paddle, the paddle is at an angle to circulate the material in the axial direction and the radial direction, so that the material is quickly mixed evenly.

Application:

- Dry mortar
- Chemicals, chemicals, detergents,
- Feed, pesticides,
- Pigment food, monosodium glutamate, milk powder, salt
- Ceramic, plastic, rubber additives

Main Features:

1. High efficiency:

Rotate reversely and throw materials to different angles, mixing time only 1-3 minutes

2. High uniformity:

Compact design and rotated shafts be filled with hopper, mixing uniformity up to 99%

3. Low residue:

Only 2-5mm gap between paddles and wall, open -type discharge outlet

4. No leakage:

The patent design ensures the rotating axle discharge outlet wo leakage.

5. Full clean:

Full weld and polishing process for mixing hopper, W/o any fastening piece like screw, nut

6. Elegant appearance:

The whole machine is from full stainless steel to make its profile elegant except gear reducer case, direct mechanism, and bearing seat

Technical Data:

Model	NSJ-300L	NSJ-500L	NSJ-1000L	NSJ-1500L	NSJ-2000L	NSJ-3000L
Effective Volume	300L	500L	1000L	1500L	2000L	3000L
Fully Volume	420	650	1350	2000	2600	3800
Loading Ratio	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Turning Speed	53rpm	53rpm	45rpm	45rpm	39rpm	39rpm
Total Weight	660kg	900kg	1380kg	1850kg	2350kg	2900kg
Total Power	5.5kw	7.5kw	11kw	15kw	18.5kw	22kw
Length(L)	1330	1480	1730	2030	2120	2420
Width(W)	1130	1350	1590	1740	2000	2300
Height(H)	1030	1220	1380	1480	1630	1780
Radius(mm)	277	307	377	450	485	534
Power supply	3P AC208-415V 50/60HZ					