



SYH series Three-Dimension Motions Mixer



The machine's working principle

Equipped with a combination of mixed materials barrel drive shaft driven, as the cycle of translation, rotation and tumbling compound movement, which makes the material hoop and axial three-way composite motion along the surface of the cylinder body, in order to achieve mutual flow of a variety of materials, diffusion, accumulation, doping, in order to achieve the purpose of uniform mixing.

The scope of application

Widely used in pharmaceutical, chemical, food, light industry, electronics, machinery. Mining and metallurgy, national defense industrial and all kinds of institutes to research high uniformity mixed of powder and granular materials.

Features

1. Due to mixed Barrel multidirectional movement, basic materials centrifugal force, specific gravity segregation and stratification and accumulation. Each component can be between the weight ratio, mixing ratio of 99.9% is one of the best products in the mixer type.
 2. The charging rate of the cylinder is large, up to 75-80% (ordinary mixer only 40%), high efficiency, and short mixing time.
- Throughout the cylinder arc transition, inner and outer surfaces by precision polished appearance.

Smooth operation, reliable, vibration, operation, and easy maintenance.

Technical Specifications

Type	SYH-5	SYH-15	SYH-50	SYH-100	SYH-200
Cylinder capacity(L)	5	15	50	100	200
Max loading capacity	4	12	40	80	160
Max loading weight	2.4	7.5	25	50	100
Driving shaft speed (r/min)	30-15	0-8			
Power(kw)	0.25	0.37	1.1	1.5	2.2
Overall size(mm)	600*1000* 1000	700*1000 *700	1000*1400 *1200	1200*1700 *1500	1400*1800 *1600
KG Weight	150	200	300	500	800

Type	SYH-400	SYH-600	SYH-800	SYH-1000
Cylinder capacity(L)	400	600	800	1000
Max loading capacity	400	480	640	800
Max loading weight	200	300	400	600
Driving shaft speed (r/min)	0-8			
Power(kw)	4	5.5	7.5	11
Overall size(mm)	1650*2200 *1550	1900*2100 *2250	2200*2400 *2300	2250*2600 *2600
KG Weight	1200	1500	2000	2500