



Technical resources

3D mixer

Model: SH

<https://www.tencanballmills.com/en/products/mixed-series/3d-mixer.html>

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3D mixer

Model: SH

3D mixer efficiently blends free-flowing powders and granules for pharmaceutical, chemical, food, and metallurgy industries. Ideal for uniform mixing with minimal degradation.

Technical specifications

Maximum loading volume	40~800t
Maximum loading weight	40~800kg
Mixing vessel volume	50~1000t

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



The three-dimensional motion mixer is a new material mixing equipment widely used in pharmaceutical, chemical, food, metallurgy, light industry and scientific research units and other industries. It is suitable for mixing powdery or granular materials with good fluidity. At the same time of mixing, you can add balls to grind, and the grinding and mixing effect will be better. This machine is suitable for mixing a variety of materials, and is widely used in the mixing of two or

more materials in various fields such as electronics (lithium cobalt oxide), ceramics, chemicals, medicine, daily chemicals, organic and inorganic.

混合系列

三维混料机/细节



食品级材质



混合均匀



流动性翻转



清洁方便



混合筒

三维混料机由主动轴和被动轴的万向节支持着混料桶在X、Y、Z轴方向作三维运动

适用物料

适用于流动性较好的粉状或颗粒状物料的混合。



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电子材料



生物制药



科研化工



陶瓷

Technical parameters

model	SH-50	SH-100	SH-200	SH-300	SH-400	SH-500	SH-600	SH-800	SH-1000
Mixing barrel volume (t)	50	100	200	300	400	500	600	800	1000
Maximum charging volume (t)	40	75	160	240	320	420	480	640	800
Maximum loading weight (kg)	40	75	160	240	320	420	480	640	800
Spindle speed (rpm)	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15
Motor power (kw)	1.1	1.5	2.2	4	4	5.5	5.5	7.5	7.5
Dimensions (mm)	1000×1400×1200	1200×1700×1500	1400×1800×1600	1400×1800×1600	1800×2100×1950	1900×2100×2100	1900×2100×2250	2200×2400×2300	2250×2600×2600
Weight (kg)	300	500	800	1200	1200	1380	1500	2000	2500

The three-dimensional mixer uses the universal joints of the driving shaft and the passive shaft to support the mixing barrel to make three-dimensional movements in the X, Y, and Z axis directions, as well as to make revolution movements. The materials in the mixing barrel undergo diffusion, flow and shearing movements from time to time, which enhances the mixing effect of the materials. Due to the three-dimensional movement of the mixing barrel, it overcomes the influence of centrifugal force produced by other types of mixers during mixing, reduces the specific gravity segregation of the materials, and enhances the mixing efficiency of the materials.

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Before operation, review the selected model's instructions and the material requirements.