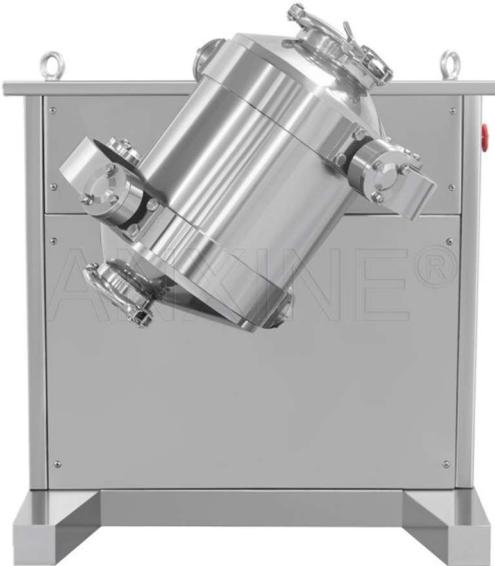**ANXINE**

3D Powder Mixer

The 3D powder blender offers gentle, uniform mixing for dry powders and granules in all directions. Without high shear force or high speed, 3D powder mixing equipment is suitable for sensitive and delicate materials. This mixer is ideal for pharmaceutical, food, chemical, and cosmetic applications. These areas all require high-standard precision and hygiene. It features a stainless steel build, quiet operation, and an easy-to-clean structure. This makes it perfect for both lab and small-scale production use.

Catalogs

High-Efficiency SH Series 3D Motion Powder Mixer

The SH series 3D mixing equipment uses a multi-directional motion to achieve highly uniform blending. Compared to traditional mixers, it avoids layering or segregation caused by centrifugal force. It leads to the thorough distribution of different materials. This mixing equipment is also ideal for blending sensitive or uneven particle sizes. It is always used in the pharmaceutical, food, and chemical industries.

This series is available in small-capacity models like SH-10, SH-20, and SH-50. It is perfect for laboratory, research, or small-batch production. The mixer combines compact design with precision motion. It features a stable structure and fine barrel polishing for keeping materials pure.

Features

✓ **Multi-angle motion.** The mixing barrel rotates in all directions. The movement improves flow, diffusion, and uniformity.

✓ **Polished stainless steel barrel.** It leads to clean mixing and prevents material residue or cross-contamination among batches.

✓ **Small working area.** Compact design suits limited spaces, ideal for small-scale businesses.

✓ **Speed control.** You can adjust the speed to meet your various production needs.

✓ **Easy to operate.** It is equipped with a simple interface and buttons for efficient handling.

✓ **Safety measures.** It includes overload protection to reduce accident risks.

✓ **Low maintenance.** It requires lubrication and inspection monthly or quarterly.

Technical Parameters

Model	SH-10	SH-20	SH-50
Vat Volume	10 L	20 L	50 L
Max. Filling Volume	8 L	16 L	40 L
Rotational Speed	0-15 r/min	0-15 r/min	0-15 r/min
Power	0.75 kW	0.75 kW	1.1 kW
Weight	100 kg	100 kg	300 kg

SBH-I Series Three-Dimensional Motion Mixer

The SBH-I Micro Three-Dimensional Mixer is designed for mixing freely flowing powder or granular materials to achieve a high level of uniformity among substances with different physical properties. It is also capable of mixing various liquids. This model is especially suitable for laboratory use. Its application fields include the pharmaceutical, chemical, food, electronic technology, sintered metal, ceramic, and cosmetics industries.

During operation, the mixing drum performs multidirectional movements, which enhance the flow and diffusion of materials. At the same time, it avoids the segregation and accumulation caused by centrifugal force that commonly occur in conventional mixers. As a result, the machine achieves an optimal combination of the shortest mixing time and the highest mixing uniformity.

Features

✓ **High Uniformity:** Multi-directional 3D motion ensures thorough blending without material segregation.

✓ **Increased Capacity:** Supports usable loads over twice that of conventional mixers.

✓ Polished stainless steel mixing containers prevent contamination.

✓ Removable design allows for quick discharge, easy cleaning, and no residue buildup.

✓ Sealed operation contains particles, maintaining a clean and safe work environment.

✓ Infinitely adjustable speed and programmable timer enable precise, repeatable mixing cycles.

Specifications

Container Volume	1 L
Usable Capacity	90% of total volume
Optimal Capacity	80% of total volume
Rotation Speed	10–25 r/min
Weight	15 kg
Overall Dimensions	50 × 22 × 22 cm (L × W × H)
Power	50 W
Voltage	Single-phase 110/220 V, 50/60 Hz

High-Efficiency SH Series 3D Motion Powder Mixer SH100-600

The SH-series mixer offers the efficient blending of various powders. It has a polished interior with no dead corners. So the blending and discharge could be smooth and residue-free. It won't cause much waste and contamination, even at high capacities.

With multi-directional motion, the SH mixer promotes natural flow and diffusion of materials. This method could prevent clumping, even with fine or light-density powders. It ensures consistent mixing without excessive shear. Thus, it is suitable for delicate ingredients and materials with uneven particle sizes.

Features

✓ **Residue-free discharge.** Materials flow out smoothly. It won't leave any buildup in the barrel.

✓ **Uniform mixing without segregation.** Multi-directional motion eliminates many mixing issues like centrifugal layering, even with different densities.

✓ **High-polish interior.** The barrel is finely polished for no contamination and easy cleaning.

✓ **Adjustable mixing speed and time.** You can adjust mixing intensity and duration to meet production needs.

✓ **High capacity.** Models support up to 600L capacity, ideal for large-scale production demands.

✓ **Minimal maintenance.** Periodic oil changes and basic lubrication keep the machine running smoothly.

✓ **Stable performance.** The machine operates quietly and resists vibration even at full load.

Technical Parameters

Model	SH-100	SH-200	SH-400	SH-600
Vat Volume	100 L	200 L	400 L	600 L
Max. Filling Volume	80 L	150 L	300 L	450 L
Speed of Main Shaft	15 r/min	12 r/min	10 r/min	10 r/min
Power	2.2 kW	3 kW	4 kW	5.5 kW
Weight	500 kg	750 kg	1,200 kg	1,500 kg