

5L Double Planetary Mixer



Apologies for the previous confusion. Let me provide the correct information.

A double planetary mixer is a type of industrial mixing equipment used in various industries for blending, mixing, and dispersing materials. It consists of two identical blades or mixing agitators that rotate on their own axes while simultaneously orbiting a central axis. The central axis is typically stationary, while the planetary blades revolve around it.

Here are the key features and functions of a double planetary mixer:

1. **Mixing Principle:** The two planetary blades rotate on their own axes, creating a strong shearing, kneading, and mixing action. At the same time, the blades revolve around the central axis, ensuring thorough blending and dispersion of ingredients.
2. **Uniform Mixing:** The dual rotation and revolution of the blades facilitate the uniform distribution of components throughout the mixture, minimizing the risk of unmixed pockets or uneven blending. This results in consistent product quality.
3. **High Viscosity Capability:** Double planetary mixers are particularly effective for processing materials with high viscosity or thixotropic properties. The combination of the blades' movements provides powerful shearing and dispersing forces, breaking down agglomerates and achieving homogeneous mixtures even with highly viscous materials.
4. **Versatility:** These mixers can handle a wide range of viscosities, from low-viscosity liquids to highly viscous pastes and gels. They are suitable for applications in various industries, including cosmetics, pharmaceuticals, chemicals, food processing, and more.
5. **Scalability:** Double planetary mixers are available in different sizes and capacities, making them suitable for both small-scale laboratory work and large-scale industrial production. This allows for easy scaling up or down based on production requirements.

6. Optional Features: Some double planetary mixers may offer additional features, such as vacuum capability for deaeration, heating or cooling jackets for temperature control, specialized blade configurations for specific applications, and various discharge options for easy removal of the mixed product.

Double planetary mixers are known for their efficient mixing performance, robust construction, and versatility in handling different types of materials. They are commonly used in the production of adhesives, coatings, sealants, pastes, creams, and other viscous products that require thorough blending and consistent quality.

Technical Parameters

Supporting Power	380V 50HZ
Material Barrel Design Volume	8L
Material Barrel Working Volume	5L
Stirring Motor Power	2.2kw
Stirring Speed	0-65rpm adjustable
Scraper Speed	0-50rpm adjustable
Vacuum Degree	-0.09mpa
Up And Down Distance	400mm
Up And Down Power	1.5kw