



High Shear Mixer

A high shear mixer is an advanced industrial mixing equipment that ensures the thorough and consistent blending of various substances, even those with different viscosities or properties. This device utilizes high-speed mechanical forces to break down particles, create stable emulsions, and produce uniform dispersions. By applying intense shear forces, it efficiently reduces particle size, leading to improved product quality and enhanced characteristics.

Key Features:

- **Exceptional Mixing Performance:** Our high shear homogenizer mixers offer exceptional mixing performance by effectively reducing particle size, achieving uniformity, and promoting molecular dispersion. This results in smoother textures, improved product stability, and enhanced shelf life.
- **Versatility:** Whether you're working with liquids, semi-solids, or powders, our homogenizer mixers are engineered to handle a wide range of materials. From pharmaceuticals and cosmetics to food and chemicals, they're versatile enough to meet diverse industrial needs.
- **Customizable Solutions:** We understand that every application is unique. That's why we provide customizable options to tailor our high shear homogenizer mixers to your specific requirements. From varying motor speeds to different impeller designs, we ensure your mixer aligns perfectly with your production demands.
- **Easy Maintenance:** Our mixers are designed with simplicity in mind. Easy disassembly and cleaning procedures ensure minimal downtime between batches, leading to increased operational efficiency.
- **Hygienic Design:** Suitable for industries with stringent hygiene standards, our homogenizer mixers feature sanitary designs that are easy to sanitize and sterilize, preventing contamination and ensuring product safety.
- **User-Friendly Interface:** Operating our high shear homogenizer mixers is a breeze. Intuitive controls and advanced automation options make the mixing process straightforward, reducing the need for extensive training.
- **High-Quality Construction:** Crafted from durable and corrosion-resistant materials, our mixers are built to withstand the rigors of industrial environments. This guarantees longevity and consistent performance over time.

Applications:

Our high shear homogenizer mixers find applications in a wide array of industries, including:

- **Pharmaceuticals:** Achieve uniform drug suspensions, improve bioavailability, and create stable emulsions for pharmaceutical formulations.
- **Cosmetics:** Blend ingredients for creams, lotions, and makeup products, ensuring smooth textures and enhanced skin absorption.

- **Food and Beverage:** Create stable emulsions in dressings, sauces, and beverages, resulting in better taste, appearance, and mouthfeel.
- **Chemicals:** Efficiently disperse pigments, stabilizers, and additives for consistent quality in paints, inks, and coatings.

Machine Main Function:

- Homogenization
- Emulsification
- Particle Size Reduction
- Dispersion
- Deagglomeration
- Wet Milling

Material	SS304, SS316, MS
Speed	Up to 2880 RPM, Other Speed Available On Demand
Usage/Application	Pharmaceutical, Chemical, Cosmetic, Food, Ink & Paint
Voltage	220V to 415V
Mixing Time	Depend on Application & Formulation
Design Type	Standard, Customized
Frequency	50Hz, 60 Hz
Phase	Single & Three Phase
Automation Grade	Semi-Automatic
Surface Finishing	Mirror & Matt
I Deal In	New Only
Motor Power	1 HP 100 HP
Country of Origin	Made in India



Inline Homogenizer



Multi-Stage Inline Homogenizer



High Shear Batch Mixer
Manual Lifting



High Shear Batch Mixer
Electrical Lifting



High Shear Batch Mixer
Hydraulic Lifting



Top Entry Homogenizer



Bottom Entry Homogenizer



Bottom Entry Inline Homogenizer



9000 RPM High Shear Homogenizer



Jacketed Inline Homogenizer



Drum Mounted Homogenizer



Colloid Mill