



Ribbon Blender Machine

Our ribbon blender machine is designed for fast, uniform mixing of dry powders, granules, and low-viscosity materials. With its horizontal double-ribbon agitator, this machine features efficient blending with minimal energy use. This mixer machine is ideal for use in pharmaceutical, food, chemical, and cosmetic industries. It handles large and small batches with ease. Many manufacturers choose it because of high quality, good price, and our reliable service.

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Small Volume CH Type Powder Mixer Blender



The CH-series trough mixers, including CH10 and CH20, belong to the horizontal mixer. They are designed for gentle and efficient blending of dry powders and granules, ideal for precise powder blending. With 10L and 20L capacities, they are well-suited for lab-scale production or small-batch formulations. They are useful in industries such as pharmaceuticals and R&D.

Equipped with an internal paddle and turning trough design, these mixers use dual motion to ensure better blending



performance. While the blade stirs continuously, the hopper can tilt during discharge, making the mixing process both efficient and easy to control. This structure enhances uniformity and reduces leftover material.

Features

- ✓ **Dual mixing motion.** A rotating paddle combined with a tilting hopper improves blending efficiency.
- ✓ **Small working area.** Both models are lightweight and compact, suitable for tight workspaces or mobile setups.
- ✓ **Easy operation.** Simple controls and manual discharge make the workflow beginner-friendly.
- ✓ **Fast cleaning.** The trough can tilt up to 115°, allowing easy access to all contact surfaces.
- ✓ **Stable speed.** A fixed 24 r/min shaft speed provides steady performance across powder types.
- ✓ **Durable drive system.** It is powered by a 0.55kW motor and belt-driven reducer for smooth, long-term operation.
- ✓ **Low maintenance.** Easy design requires less maintenance. You only need to check the oil, belts, and bearings every three months.

Technical Parameters

Model	CH-10	CH-20
Material tank capacity	10 L	20 L
Motor power	0.55 kW	0.55 kW
Paddle shaft speed	24 r/min	24 r/min
Maximum flip angle	115°	115°
Machine weight	40 kg	71 kg
Dimensions	600mm×325mm×540mm	750mm×380mm×650mm

Big Volume CH Type Powder Mixer Powder Blender



The CH-series horizontal powder mixers are designed for consistent dry mixing in pharmaceutical, food, and chemical industries. With capacities ranging from 50L to 500L, these machines support flexible batch sizes. Their tiltable hoppers and automatic discharge function help speed up the workflow while minimizing manual handling. Whether for small factories or mid-scale operations, this series provides a practical

solution with steady performance.

Each CH mixer uses a horizontal paddle system powered by a belt-driven motor and reducer. As the paddles rotate, materials are rolled repeatedly inside the hopper to achieve even mixing. The fixed 24 r/min speed ensures predictable output across all models, while the simple mechanism makes the machines stable during operation and less prone to failure.



Features

- ✓ **Multiple capacity choices.** From 50L to 500L, the series covers a wide range of mixing needs across different production scales.
- ✓ **Fixed rotation speed.** All models operate at a consistent 24 r/min for batch uniformity.
- ✓ **Electric discharge system.** A dedicated motor powers the discharge. It reduces labor and spillage.
- ✓ **Strong drive structure.** A reliable motor and speed reducer ensure stable and long-term paddle movement.
- ✓ **Simple control panel.** It is equipped with clearly labeled buttons for each function. This greatly improves ease of use and reduces training time.
- ✓ **CGMP-compliant design.** All contact surfaces are stainless steel, supporting sanitary production environments.
- ✓ **Compact design.** Despite their volume, the machines are space-saving and easy to integrate into existing setups.

Specifications

Model	CH-50	CH-100	CH-150	CH-200	CH-500
Volume	50L	100L	150L	200L	500L
Main Motor Power	1.1 kW	2.2 kW	3 kW	4 kW	7.5 kW
Speed	24 r/min				
Weight	220 kg	250 kg	550 kg	600 kg	680 kg
Dimensions	2,300x910x2,050mm	2,800x1,000x2,280mm	3,000x1,100x3,100mm	3,200x1,200x3,350mm	3,400x1,300x3,550mm

Powder Mixer Ribbon Mixer WLDH100-500



The WLDH-Ribbon Mixer series is a highly efficient mixing equipment designed for various industries, including pharmaceuticals, food, chemicals, and construction. It excels in blending powders and viscous materials like metal powders. This mixing equipment is ideal for applications requiring precision and reliability.

The series offers models from 100L to 3000L capacity. It supports adjustable speeds and power options (2.2 kW to 18.5 kW). It ensures rapid mixing through a unique double-ribbon structure that creates convective flow and shear blending. Safety features include overload protection, strict load limits, and options for explosion-proof motors.

Features

- ✓ **High efficiency.** Double-layer ribbons ensure fast and uniform mixing with minimal energy use.
- ✓ **Customizable options.** You can choose from heating jackets, spray systems, vacuum sealing, or explosion-proof motors for special functions.
- ✓ **Robust construction.** The equipment is made from carbon steel, stainless steel, or PP for smooth operation.
- ✓ **Safety compliance.** It includes electrical grounding, overload protection, and strict no-load startup rules.
- ✓ **Easy maintenance.** Features like pneumatic discharge doors and accessible seals simplify maintenance.
- ✓ **Adaptable installation.** The mixing equipment supports horizontal/vertical setups and various valve types for discharge.



Technical Parameters

Model	WLDH-100L	WLDH-300L	WLDH-500L	WLDH-1000L	WLDH-3000L
Effective Volume	50L	150L	300L	600L	1800L
Main Motor Power	2.2 kW	4 kW	7.5 kW	11 kW	18.5 kW
Rotational Speed	58 r/min	53 r/min	49 r/min	42 r/min	33 r/min
Speed	24 r/min				
Dimensions	1190*740*770mm	2320*730*1130mm	2800*920*1320mm	3180*1020*1550mm	4460*1300*1700mm
Weight	380 kg	560 kg	680 kg	1200 kg	2500 kg



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