

2L Laboratory Small Battery Slurry Mixer

Item Number: JL13



Introduction

Compact 2L laboratory battery slurry mixer for uniform dry powder and granular blending, efficient low residue operation, stainless steel construction, simple cleaning, and dependable small batch performance across battery R&D, chemical, pharmaceutical, food, and advanced materials research laboratories.

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Application	Description	Key Benefit
Battery Material Research	Prepare small batches of dry electrode-material blends, conductive powders, granular additives, and other solid formulation components before coating or wet-slurry development.	Supports repeatable preliminary formulation work with a controlled laboratory batch size.
Pharmaceutical Powder Blending	Mix dry pharmaceutical powders or granular ingredients during formulation screening and laboratory process development.	Promotes uniform distribution while making cleaning between test batches more practical.
Chemical Material Preparation	Blend dry chemical powders and granular raw materials for research, sample preparation, and small-scale process evaluation.	Provides consistent mixing in a compact unit that is easy to operate and maintain.
Food Ingredient Mixing	Combine dry food powders and granular ingredients during recipe development, quality testing, and laboratory-scale processing.	Stainless steel contact surfaces support a cleanable processing environment.
Powder Metallurgy	Homogenize metallic powders, lubricants, and dry additives used in powder preparation and experimental compounding.	Enables small-batch material preparation without requiring full production-scale equipment.
Ceramic Formulation Development	Mix ceramic powders and granular components for laboratory testing, pressing studies, and materials development.	Helps improve batch consistency before forming, sintering, or other downstream evaluation.
Academic Materials Research	Conduct controlled blending experiments for advanced materials, particulate systems, and process optimization studies.	Compact dimensions and simple operation make the unit practical for shared research laboratories.

Parameter	Specification
Product Item Number	JL13
Vessel Volume	2 L
Maximum Mixing Capacity	0.8 L
Recommended Load	0.56 kg, depending on the specific gravity of the raw material
Motor Power	0.04 kW
Mixing Speed	24 r/min
Overall Dimensions	550 × 230 × 430 mm
Net Weight	14 kg
Applicable Materials	Dry powder and granular materials
Primary Mixing Uses	Laboratory mixing for pharmaceutical, chemical, and food materials; small-batch battery-material and advanced-material preparation
Construction	Quality stainless steel used for the exterior and material-contact parts