

6/8 Roller Mixer Roller Agitator For Battery Slurry And Industrial Materials

Item Number: ZB04



Introduction

Industrial 6/8 roller mixer and roller agitator for battery slurry, solid, solid liquid, and viscous liquid blending, with digital control, adjustable speed, timed reversing, 10 kg capacity, and flexible container handling for demanding laboratory and industrial materials processing applications.

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Application	Description	Key Benefit
Battery Electrode Slurry Preparation	Mixes battery active materials with additives to prepare cathode and anode slurries before coating and electrode processing.	Supports consistent blending of solid and liquid constituents in a battery manufacturing workflow.
Electrochemical Materials Processing	Blends viscous liquids, solid-liquid formulations, and solid materials used in electrochemical research and production.	Provides adaptable rolling action for formulations with different material characteristics.
Industrial Solid Material Mixing	Processes dry or particulate materials in suitable bottles, tubes, or other containers for industrial preparation and evaluation.	Simplifies sample handling without requiring dedicated mixing adapters.
Viscous Liquid Blending	Mixes high-viscosity liquid formulations that require continuous container movement for material contact and homogenization.	Offers controlled rolling with adjustable speed and direction settings.
Advanced Materials Research	Supports preparation and repeatable blending of material combinations used in laboratory development and process trials.	Accommodates multiple containers in one operating cycle to improve sample throughput.
Academic and General Materials Laboratories	Handles routine blending tasks for materials science, powder-related studies, and related laboratory investigations.	Provides a compact, digitally controlled platform for flexible container-based mixing.

Parameter	ZB04 Six Roller Variant	ZB04 Eight Roller Variant
Mixing method	Rolling	Rolling
Roller quantity	6	8
Speed	10-145 rpm; 300 rpm maximum, customizable	10-145 rpm; 300 rpm maximum, customizable
Maximum load	10 kg	10 kg
Control	Numerical control	Numerical control
Timer	10 hours	10 hours
Direction timing	10-60 minutes	10-60 minutes
Roller dimensions	34532 mm (LD)	34532 mm (LD)
Overall dimensions	565350100 mm (DWH)	565420100 mm (DWH)
Net weight	8.0 kg	10.0 kg
Power supply	DC 12V, 5A or other	DC 12V, 5A or other