

200Mm Pneumatic Battery Edge Folding Machine For Laboratory Use

Item Number: RB08



Introduction

Laboratory 200mm pneumatic battery edge folding machine forms adjustable pouch cell aluminum plastic film edges with configurable pressure and speed for reliable lithium battery research and pilot production workflows.

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Application	Description	Key Benefit
Pouch Lithium Battery R&D	Forms the edge of aluminum-plastic film after trimming during laboratory pouch-cell development.	Adjustable folding width supports cell-specific research requirements.
Pilot-Scale Cell Fabrication	Provides a dedicated folding step in small-batch pouch-cell preparation workflows.	Approximately 300 cycles per hour supports organized pilot processing.
Battery Process Development	Enables teams to set pneumatic pressure and operating speed according to the selected folding process.	Configurable process conditions help align equipment operation with development work.
Aluminum-Plastic Film Edge Forming	Folds trimmed laminate-film edges before later battery assembly operations.	The 200 mm folding blade provides a defined forming length.
University Battery Laboratories	Supports hands-on pouch-cell fabrication in academic electrochemistry and energy-storage research.	Compact dimensions fit laboratory environments with limited space.
Advanced Materials Research	Provides a controlled edge-forming operation when researchers prepare laminated pouch-style test cells.	Foot pedal operation offers convenient, rapid workstation control.
Battery Manufacturing Training	Demonstrates the post-trimming folding stage for pouch-cell process instruction.	Adjustable settings make the operating variables visible and practical for training.
Prototype Cell Evaluation	Helps prepare folded laminate-film edges for prototype pouch cells used in iterative development programs.	Routine blade cleaning and lubrication support consistent mechanical operation across repeated trials.

Parameter	Specification
Product Item Number	RB08
Primary Application	Folding formation of aluminum-plastic film edges after trimming for pouch lithium batteries
Folding Width	Adjustable
Folding Blade Length	200 mm
Effective Folding Width	Greater than 1 mm

Parameter	Specification
Working Speed	Approximately 300 cycles/h
Pneumatic Pressure Setting	Adjustable according to process requirements
Speed Setting	Adjustable according to process requirements
Air Supply	0.5 MPa to 0.8 MPa
Power Supply	AC220V/50Hz
Power	100 W
Operation Method	Foot pedal operating switch
Machine Structure	Profile frame assembled with painted sealing panels
Overall Dimensions	L320W300H420mm
Upper and Lower Folding Blade Care	Wipe frequently to keep clean
Moving-Part Maintenance	Apply lubricating oil to maintain smooth movement
Long-Term Idle Storage	Clean folding blade surfaces and apply rust-preventive oil
Fastener Inspection	Regularly inspect screws, nuts, pins, and other fasteners to prevent loosening and avoid equipment-quality and personal-safety incidents