

300Mm Wide Polymer Pouch Battery Manual Edge Folding Machine

Item Number: RB15



Introduction

300mm wide polymer pouch battery manual edge folding machine with adjustable 2-6mm folding width, foot pedal control, pneumatic operation, and 300mm folding length for consistent final sealing edge processing in laboratory battery assembly and advanced materials research environments.

[Learn More](#)

Application	Description	Key Benefit
Polymer Pouch Battery Assembly	Performs the final edge-folding step after a sealed pouch cell has been trimmed to the required edge width.	Provides a defined finishing operation for pouch-cell fabrication.
Lithium Battery Research	Supports laboratory preparation of pouch-format battery samples during cell development and process evaluation.	Makes edge folding available as a dedicated step within a repeatable research workflow.
Battery Pilot Production	Handles manual finishing operations in small-batch or pilot-scale pouch-cell manufacturing.	Combines a 300 mm folding length with operator-controlled cycle initiation.
Battery Process Development	Helps engineers evaluate folding-width requirements between 2 and 6 mm during pouch-cell process development.	Enables adjustment of the edge-folding width to suit different experimental conditions.
Academic Battery Laboratories	Provides a practical manual tool for teaching and demonstrating the final pouch-cell assembly process.	Uses a straightforward fixture, foot pedal, and pneumatic-cylinder operating sequence.
Advanced Materials Research	Can be used in research environments developing flexible or pouch-based electrochemical devices and materials systems.	Adds a compact edge-processing capability to broader materials research workflows.
Small Format Cell Finishing	Supports controlled manual processing where sealed pouch edges must be folded after side trimming.	Offers a dedicated machine rather than relying on improvised manual finishing methods.

Parameter	Specification
Model	RB15
Product Type	Polymer pouch battery manual edge folding machine
Intended Process	Final edge-folding operation for polymer batteries
Folding Length	300 mm
Folding Width	2-6 mm, adjustable
Operating Method	Pneumatic cylinder activated by foot pedal switch
Operating Air Pressure	0.6-0.8 MPa
Voltage	AC110V/220V, 50/60HZ
Power	100 W
Dimensions (L x W x H)	400 x 160 x 400 mm
Weight	50 kg