

Pouch Battery Edge Sealing Machine Polymer Battery Hot Edge Flattening Equipment

Item Number: RB16



Introduction

Manual pouch battery edge sealing machine for final polymer battery finishing featuring a 300 mm copper heated platen adjustable temperature control 200 mm sealing length and compact laboratory footprint for consistent folded edge flattening in battery research production workflows.

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Application	Description	Key Benefit
Polymer pouch-cell final finishing	Flattens the folded edge of polymer batteries during the final hot-edge process after double folding.	Produces a controlled, flat edge profile using a dedicated heated platen.
Lithium battery R&D laboratories	Supports researchers preparing pouch-cell samples while developing cell formats, packaging procedures, and assembly sequences.	Provides an adjustable-temperature workstation for hands-on process trials.
Pilot-scale pouch-cell assembly	Fits into pilot workflows where individual cells are processed manually before evaluation or downstream handling.	Enables a defined 200 mm edge-finishing operation in a compact footprint.
Battery process development	Used to establish and refine operator procedures for positioning, heating, and flattening folded battery edges.	Allows direct observation and adjustment of the manual finishing step.
Academic electrochemical research	Supports university and institutional laboratories fabricating polymer battery cells for experimental programs.	Offers AC110V/220V, 50/60HZ supply compatibility for laboratory deployment.
Battery packaging trials	Applies heat and planar contact to folded pouch edges when comparing packaging materials or fold configurations.	The copper plate and <0.1 mm parallelism provide a defined contact-surface specification.
Small-batch cell preparation	Handles final edge flattening for low-volume cell builds, prototype series, and validation samples.	Provides a dedicated manual station instead of relying on improvised heated surfaces.

Parameter	Specification
Site-Facing Item Number	RB16
Equipment Description	Used for the final hot-edge process of polymer batteries
Operating Method	Switch on the equipment; heat the hot flat plate to the required temperature; manually place the double-folded battery vertically and flat on the hot flat plate; flatten the folded battery edge with heat
Hot Flat Plate Size	300mm*300mm
Hot Flat Plate Material	Copper plate
Hot Flat Plate Parallelism	□ 0.1mm
Temperature Control Accuracy	±30C
Temperature Adjustment	Adjustable
Power Supply	AC110V/220V, 50/60HZ
Power	150W

Parameter	Specification
Hot-Edge Length	200mm
Dimensions	300300460mm
Weight	30KG