

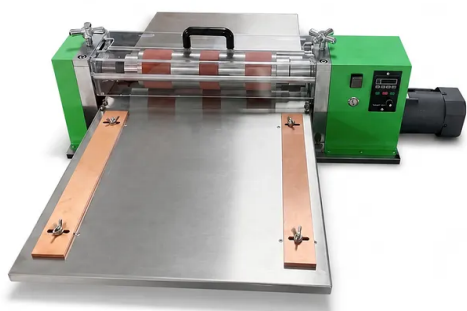
Polymer Battery Lithium Battery Positive Negative Electrode Sheet Electric Slitting Machine

Item Number: FQ02

Introduction

Electric roll slitting machine for polymer battery and lithium battery positive and negative electrode sheets, delivering adjustable positioning, synchronized circular cutters, high precision cutting, and guarded operation for 50-400 μm electrode materials.

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Application	Description	Key Benefit
Polymer battery electrode-sheet preparation	Slits polymer battery electrode sheets into specified strip widths before downstream cell-production operations.	Adjustable guidance and cutter engagement support controlled processing of 50-400 μm electrode sheets.
Lithium battery positive-electrode processing	Processes lithium battery positive electrode sheets using the upper and lower circular knife pair.	Synchronized same-speed cutter transmission supports stable, repeatable cutting action.
Lithium battery negative-electrode processing	Processes lithium battery negative electrode sheets within the stated thickness and width capability.	Adjustable cutting width from 10-300 mm accommodates varied electrode-strip requirements.
Electrode strip layout preparation	Produces multiple slit strips according to the installed knife-spacing arrangement.	Standard 56 mm and 58 mm spacing positions, with optional alternatives, support defined strip layouts.
Battery electrode sample preparation	Prepares controlled-width electrode strips for lithium battery and polymer battery development work.	Knob-adjustable speed below 2 m/min gives operators a deliberate, controllable slitting pace.
Electrode-sheet process setup	Supports adjustment of feed location and cutter engagement when establishing a battery electrode slitting operation.	Adjustable guides and 0.2-0.4 mm handwheel-controlled knife engagement provide direct setup control.

Parameter	Specification
Site-facing identifier	FQ02
Cutter type	Upper and lower circular knife opposing cut
Cutting width	10-300 mm
Knife spacing	Standard: 56 mm, 56 mm, 56 mm, 58 mm, 58 mm, 58 mm; other spacing optional
Cutable material thickness	50-400 μm battery electrode sheet
Cutter engagement	Handwheel adjustable, 0.2-0.4 mm
Cutter diameter	85 mm
Cutter material	Ultrafine-grain alloy steel
Slitting speed	<2 m/min, knob adjustable
Power supply	AC220V/50Hz
Power	0.5KW
Overall dimensions	Length 850 × Width 620 × Height 300 (mm)
Weight	Approximately 100KG

Parameter	Specification
Equipment composition	Upper and lower rolling cutters, cutter support, infeed and outfeed positioning plates, gears, reducer, motor, and frame
Main cutter construction	Upper and lower rolling cutters composed of alternating steel knives and rubber knives
Material positioning	Adjustable guide device for infeed positioning
Cutter drive	Upper and lower blades at the same speed with synchronized transmission
Cutter protection	Acrylic protective device at the rolling-cutter area
Cutter fixing method	Open-type rolling-cutter fixing arrangement