



Precision Cylindrical Cell Machine Semi Automatic Battery Electrode Winding Machine

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-SJR-18650
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Standard Export Wooden Packing
- Delivery Time: 7-20 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 500 sets per month



Product Specification

- Name: Semi-Automatic Winding Machine
- Applicable Product: Ø10 ~ Ø32mm
- Winding Needle: Ø1.8 ~ Ø6mm Optional
- Winding Capability: 5~10pcs /min (Depending On The Battery Model)
- Winding Mode: Roll-type Separator, Sheet Electrode
Manually Loading, Automatically Winding
- Key Words: Battery Electrode Winding Machine
- Highlight: **Precision Cylindrical Cell Machine ,
Semi Automatic Cylindrical Cell Machine,
Semi Automatic Battery Electrode Winding
Machine**

Product Description

Cylindrical Battery Semi-Automatic Winding Machine



Description

Cylindrical Battery Semi-Automatic Winding Machine is mainly used for the precision winding of core of the cylinder battery. The working process is as follows: manually guide the cathode and anode electrodes into the winding part, and separated stacking with the separator, and the winding will be carried out according to the requirements of the process, automatically attaching the termination tape, and the cell will automatically feed.

Function and Features

1. Adopt single needle counterwinding needle structure.
2. Manual lead-in electrode, automatic winding, automatic change needle, automatic tape ending tape and automatic unloading;
3. The adhesive tape adopts the horizontal paste (the tape is perpendicular to the tab), the adhesive is flat, and the adhesive position can be controlled accurately without tightening the cell; the adhesive is stable and reliable;
4. winding needle speed was adjustable;
5. Two rolls of separator active to unwinding, tension push switch control technology can adjust tension automatically during winding.
6. It has a dust removal device;
7. Separator outer pack end.
8. The cell after winding without damage, core pulling and electrode dislocation phenomenon;
9. Easy to operate, adjust and replace;

Technique Standard

Model	MR-SJR-18650 (21700)
Voltage	AC220V, 1.5KVA, 50HZ
Compressed air	0.4-0.6MPa
Productive capacity	8PCS/min
Weight	About 500kg
Size	1450mm*1100mm*1150mm(Does not include the outstretched length of the electrode.)
Winding needle specification	Φ1.8mm-Φ6mm(With one set for free, customized)
Applicable outer diameter of the cell	Φ15mm-Φ35mm
Equipment capacity	5~10 pcs/ min (according to the length/width of the electrode)
Winding precision	when the electrode is guaranteed to meet the following conditions: The width error is less than $\pm 0.2\text{mm}$; The bending error of "S" is less than $\pm 1\text{mm}/500\text{mm}$; The tower shape error of the separator is less than $\pm 0.2\text{mm}$;
The winding precision can be satisfied	The alignment error of the separator is less than $\pm 0.5\text{mm}$; The alignment error of electrode is less than $\pm 0.5\text{mm}$; It can realize the negative electrode wrap the cathode electrode , the separator wrap negative electrode, and the alignment of the finished product section is $\pm 0.5\text{mm}$
Qualified rate	$\geq 98\%$ (excluding equipment factors)
Warranty	One Year limited warranty with lifetime support

Material specifications (unit: mm)

Material	Length	Width	Thickness	Inner Diameter	Outer Diameter
Cathode Electrode	150~1000	28-73	0.1-0.2		
Anode Electrode	150~1000	28-73	0.1-0.2		
Separator	Roll Material	30-75	0.012-0.045	76.2	250
Termination Tape	Roll Material	8-60	0.01-0.035	76.2	150

Our Advantages

1. Steady and high quality ! -cause we are a manufacturer of Lithium Battery Equipment, and we only focus on one thing that is make professional Lithium ion Battery Equipment for customer around the world.
2. Friendly use! all MRBEST Battery Equipment with teach manual and support live teaching via media.
3. Reliable factory! My factory located in Shenzhen city of China, support factory visit and video factory visit .
4. 1 year warranty plus lifetime technical support.
5. All the parts use on machine, in stock forever.
6. Powerful technical support, NOT TRADE COMPANY! We are professional on Lithium Battery Equipment, the chief engineer team have more than 20 years experience on lithium battery area, so we can easy do diagnose on machine if customer have question.
7. 100% PATIENCE to all customers! Our patience not only before consult order, also after-sale service, one by one .



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