



## Roll To Roll Lab Battery Electrode Coating Machine For Lithium ion Cylindrical Battery

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-SY300-1J
- 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: Roll To Roll Lab Battery Electrode Coating Machine
- Coating Method: Continuous Coating, Interval Coating
- Oven Section Number: 1 Section 1 Meter Oven
- Roll Surface Design Width: 330mm
- Ensure Coating Width:  $\leq 280\text{mm}$
- Substrate Thickness: Aluminum Foil 8 30um Copper Foil 8 30um
- Application: For Cylindrical Cell Battery Manufacturing
- Key Words: Battery Coating Machine
- Highlight: **Lab Battery Electrode Coating Machine,  
Cylindrical Battery Electrode Coating Machine**

## Product Description

### Roll to Roll Lab Battery Electrode Coating Machine For Lithium ion Cylindrical Battery Making



Intermittent experimental coating machine is a three-roller transfer coating equipment. It can carry out continuous and intermittent coating, which is convenient to be applied to the equipment for surface coating process of various substrates. Especially used in the lithium ion battery industry. The equipment is designed to be convenient for researchers to use while meeting the requirements of coating accuracy and consistency, which is no different from production. The drying effect is excellent, and it is an ideal choice for the research and development and small tests of lithium ion batteries, super capacitors, nickel batteries and other secondary batteries.

#### Features

- \*Substrate tension control, stable belt, configuration of correcting device;
- \*Hot air oven, double-sided airing on the top and bottom, good drying effect;
- \*Three-roll transfer coating with a wide coating window;
- \*Comma scraper metering, with precision adjustment mechanism, to achieve high coating accuracy;
- \*PLC control, touch screen operation, easy to use;
- \*Optional solvent recovery treatment device;

#### Installation environment requirements:

Machine head ambient temperature 25~30 ,Other:10~40  
Machine head relative humidity: positive RH ≤35%, negative RH ≤98%,others ≤98%

#### Equipment function:

Model	MR-SY300J Roll to Roll Lab Battery Electrode Coating Machine
Dimension	L 1800*W 1300*H 1200mm
Weight	About 1.2T
Power supply	3PH 380V,50HZ,
Voltage fluctuation range	+8% -8%
start total power	10KW
Compressed air	After drying, filtration and stabilivolt: outlet pressure 5.0kg/cm2
Suitable system	Lithium iron phosphate, lithium cobalt oxide, lithium manganese oxide, graphite and silicon carbon system battery positive and negative electrode coating process
Coating method	Continuous coating, interval coating
Oven section number	1 section 1 meter oven
Substrate thickness	Aluminum foil:8 30um Copper foil:8 30um
Roll surface design width	330mm
Ensure coating width	≤280mm
Coating	±3um
Double-sided coating weight accuracy (mg/cm2)	Coating center value ±1.0%
Slurry viscosity	2000~12000 (mPas)
Single-coated dry thickness range	20-200μm
Solvent characteristics	Oily solvent NMP(s.g=1.033,b.p=204 ) Watery solvent H2O/NMP(s.g=1.000,b.p=100 )
Solid content	20~85%
Coating dimension accuracy(mm)	L≤±1,W≤±0.5
Positive and negative alignment accuracy(mm)	L≤±1,W≤±0.5

#### 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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