



## Laboratory Battery Coating Machine PLC control Continuous And Intermittent Coating

Our Product Introduction

for more products please visit us on [lithiumbatterymachine.com](http://lithiumbatterymachine.com)

### 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: Battery 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
- Highlight: **Laboratory Battery Coating Machine, PLC control Battery Coating Machine**



### More Images



## Product Description



### Battery Coating Machine Continuous and Intermittent Coating Machine

**Battery 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 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	330mm

width	
Ensure coating width	$\leq 280\text{mm}$
Coating	$\pm 3\mu\text{m}$
Double-sided coating weight accuracy (mg/cm <sup>2</sup> )	Coating center value $\pm 1.0\%$
Slurry viscosity	2000~12000 (mPas)
Single-coated dry thickness range	20-200 $\mu\text{m}$
Solvent characteristics	Oily solvent NMP(s.g=1.033,b.p=204 ) Watery solvent H <sub>2</sub> O/NMP(s.g=1.000,b.p=100 )
Solid content	20~85%
Coating dimension accuracy(mm)	$L\leq\pm 1, W\leq\pm 0.5$
Positive and negative alignment accuracy(mm)	$L\leq\pm 1, W\leq\pm 0.5$

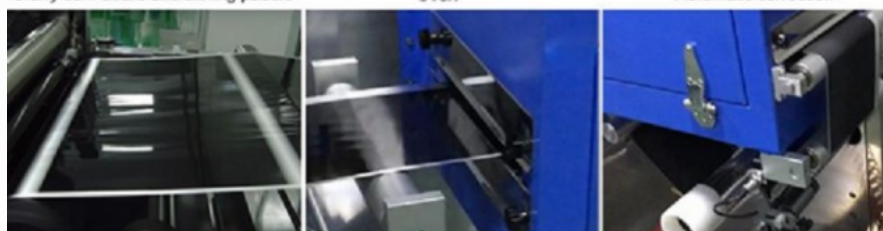
## Product Display



Slurry dam board and stirring paddle

Oven

Automatic correction



Coating

Drying process

Winding







**Factory Show**



Shenzhen Meirui Zhida Technology Co., Ltd. is a Manufacturer specializing in a Complete Set of Lithium Ion Battery Research Equipment. MRBEST has been committed to providing customers with comprehensive Battery Research and Development Equipment to meet customers' new Lithium Battery Technology and New Needs in recent years, such as Sodium Batteries, Solid-state Battery and Semi-solid-state Battery Equipment, special process requirements such as dry process, 4680 large cylindrical battery equipment requirements etc. Create One-Stop Service for Battery Research Equipment for customers and provide Professional Technical Guidance and Support.

MRBEST related products include: Vacuum Mixers, Planetary Vacuum Mixers, Lab Transfer Coating Machine, Automatic Film Coating Machine, Electric Vertical Roller Machine, Pneumatic Die-cutting Machines, Electric Sealing Machines, Vacuum Pre-sealing machine, Secondary Vacuum Sealing Machine, Coin Cell battery Sealing Machine, Battery Winding Machine, Pouch Cell Sealing Machine, Ultrasonic Spot Welding Machine, Glove Box with Purification System etc. MRBEST products have been sold at home and abroad. Our main customer include: Universities, Research Institutes, Battery Positive and Negative Material Companies, Battery Cell Manufacturers, and New Energy EV Battery Manufacturers etc.







**Shenzhen Meirui Zhida Technology Co., Ltd.**



+86 19866156608



tina@szmrbest.com



lithiumbatterymachine.com

104 Building 6, Second Industrial Zone, Shanmen Community, Yanluo Street, Baoan District, Shenzhen China