



**XIAMEN TOB NEW ENERGY TECHNOLOGY CO., LTD.**

Provide A Full Set Of Solutions For Battery Machines.

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## Roll To Roll Coating Machine For Lithium Battery Electrode

The TOB-SY300J Intermittent Lab Coater is a three-roll transfer coating machine, can be continuous and intermittent coating, suitable for a variety of substrate surface coating process

- Item No.:TOB-SY300J
- Order(Moq): 1set
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:20days

## Product Detail

### Small Multifunctional Coating Machine For Battery Electrode

## SPECIFICATIONS

### Features :

- \*can switch freely to achieve continuous and intermittent coating ;
- \*Substrate tension control, transport stability, configuration correction device ;
- \*Hot air oven, the upper and lower double-sided blowing, high-quality drying effect ;
- \*Three-roll transfer coating, wider coating window ;
- \*Comma scraper measurement, with precision adjustment agencies, access to high-Precision coating ;
- \*PLC control, Touch screen operation, easy to use ;
- \*Optional solvent recovery device ;

### Installation environment requirements:

Machine head ambient temperature 25~30°C, Other:10~40°C ;

Machine head relative humidity: positive RH ≤35%, negative RH ≤98%, others ≤98% ;

### Equipment function:

Model	TOB-SY300J Lab 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/cm <sup>2</sup>
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/cm <sup>2</sup> )	Coating center value $\pm 1.0\%$
Slurry viscosity	2000~12000 (mPas)
Single-coated dry thickness range	20-200 $\mu$ m
Solvent characteristics	Oily solvent NMP(s.g=1.033,b.p=204°C)
	Watery solvent H <sub>2</sub> O/NMP(s.g=1.000,b.p=100°C)
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**



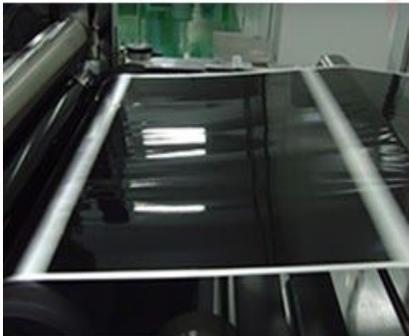
Slurry dam board and stirring paddle



Oven



Automatic correction



Coting



Drying process



Winding