

Automatic Film Battery Coating Machine High Automation With Touch Screen CE Approved

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-TMH250
- 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



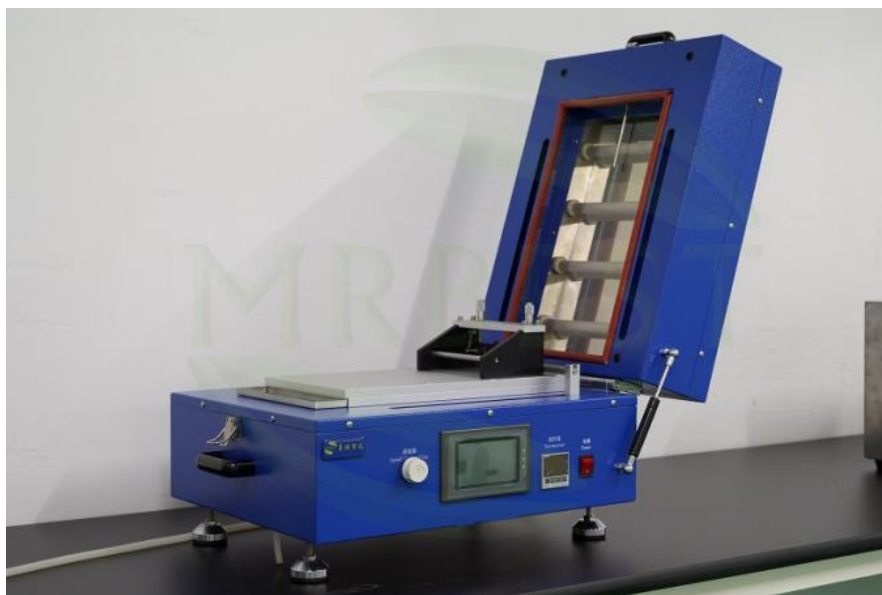
Product Specification

- Name: Automatic Film Coating Machine With Rapid Infrared Heating Cover
- Doctor Blade: 150mm Fixed Width As Standard, Other Size Optional
- Coating Length: 250mm Maximum
- Max Heating Temperature: 120
- Heating Type: Rapid Infrared Heating Cover
- Vacuum Pump: Built In Oil Free Vacuum Pump
- Highlight: **Battery Coating Machine High Automation,
Touch Screen Battery Coating Machine,
CE Automatic Film Coating Machine**

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Product Description

Automatic Film Coating Machine With Rapid Infrared Heating Cover



MR-TMH250 is an automatic film coater with a vacuum bed and a rapid heating cover that heats up to 120°C. It is designed to produce films with consistent thickness using micrometer adjustable or fixed-thickness applicators. It has a stable driving system to promote a smooth coating with all types of materials. The pin holes on the bed can hold the substrate sheet on the bed via a vacuum. This is very helpful when performing coating on a thin substrate. It is an ideal tool for ceramic tape casting and Li-Ion battery electrode coating.

Features

- Touch screen operation, high automation.
- Vacuum aluminium chuck is designed for quick suction of substrate.
- Built-in vacuum pump is designed.
- Coating stroke length can be set.
- Heating temperature up to 120 adjustable, and it's digital display.

Technical Parameters

Name	Automatic Film Coating Machine With Rapid Infrared Heating Cover
Power	Heating Cover: 120 VAC 60Hz, 1850 W Coater: 30W, 24VDC
Traverse Speed	10 - 100 mm/sec variable [Without any load, the read traverse speed is around 90 mm/s when the speed is set as 100 mm/s. Therefore the real speed for coating should be calibrated by customer themselves by using a ruler and stop watch] Accuracy: 10mm/sec
Stroke Length	10 - 250 mm adjustable by using the Adjustable Position Switch
Max. Coating Dimensions	150mm(W) x 250mm(L)
Vacuum Bed	A vacuum bed is made of aluminum alloy with a micro-size hole Vacuum Chuck Dimensions: 365mm(L) x 200mm(W)
Rapid Heating Cover	3 Electric Infrared Tubular heater Element is installed on the heating cover for rapid heating. 1 thermocouple is installed for temperature reading. Max Temperature: 120°C Temperature accuracy: +/- 2°C Heating Rate: approximately 1.2°C/s
Film Applicator	One 150 mm width Micrometer Adjustable Film Applicator is included, with adjustable thickness from 0.01 mm - 5 mm (Pic. 1) Traverse Pusher is included for pushing the doctor blade to ensure constant speed coating Note: Thinnest film can be achieved is > 10 microns
Vacuum Pump	built-in one Oilless Vacuum Pump

Application Notes	<p>You need a vacuum mixer to remove air bubbles from the slurry to make uniform coatings</p> <p>You may need a Slurry Viscosity Tester to make coatings consistent</p> <p>You may need a Vacuum Oven to dry the films and remove the binder after coating.</p> <p>Rolling pressing is necessary to ensure good density and adhesion of electrode materials to the current collector substrate after coating.</p>
Dimension	L500 x W310 x H330mm
Weight	45kg

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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