



Lithium ion Battery Making Machine Cylindrical Cell Pouch Cell Coin Cell Battery Equipment

Our Product Introduction

for more products please visit us on lithiumbatteryemachine.com

Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MRBEST-Cylindrical Cell, MRBEST-Pouch Cell, MRBEST-Coin Cell
- 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

- Product Name: Battery Making Machine
- Application: For Battery Research
- Suitable Battery: Cylindrical Cell, Pouch Cell, Coin Cell
- Size: Accepted Customized Size
- Manufacturer: YES
- Direct Factory: With Competitive Price
- High Light: Battery Manufacturing Machine, Battery Making Machine Price, Lithium Battery Making Machine
- Highlight: **Lithium ion Battery Making Machine, Coin Cell Battery Equipment, Cylindrical Cell Pouch Equipment**



More Images



Product Description



Lithium ion Battery Making Machine Cylindrical Cell Pouch Cell and Coin Cell Battery Equipment Manufacturer

MRBEST is professional in designing and manufacturing Battery Making Machine, can offer design, customize and factory price. We provide the one-stop solution for Battery Research Equipment, we can provide the whole set of Coin Cell Machines, Cylinder Cell Machines, Pouch Cell Assembly for laboratory and material research.

Li-ion/ Na-ion Battery

Do you want to know how to make Lithium ion Battery? With our Battery Technology, Battery Lab Line and Battery Pilot Line, we make it easy for you. Contact MRBEST for more information.

The manufacture of the lithium-ion battery cell comprises the three main process steps of Electrode Manufacturing, Cell Assembly and Cell Finishing.

- The electrode manufacturing and cell finishing process steps are largely independent of the cell type, while cell assembly distinguishes between pouch and cylindrical cells as well as prismatic cells.
- Regardless of the cell type, the smallest unit of each lithium-ion cell consists of two electrodes and the separator which separates the electrodes from each other. Between them is the ion-conducting electrolyte.

MRBEST provide full set of Lithium Battery Equipments

Electrode Sheet Preparation:

- **Vacuum Mixer** for Cathode/Anode Materials Mixing
- **Coating machine** to coat paste onto current collector to create electrode.
- **Rolling Press Machine** (*calendar*) to roll the electrode to required thickness.

Cell Assembly

- **Slitting/Cutting machine** to slit electrode sheet to strip
- **Battery Winding Machine** to wind strips layers in form of Anode + Separator + Cathode + Separator + ...
- **Electrode Die Cutter** to cut out electrode with Lead
- **Battery Stacking Machine** to stack layers in form of Anode + Separator + Cathode + Separator + ...
- **Welding machine** to first weld current collector and then tab together
- **Short-circuit Detector** to test if the cell has a short-circuit
- **Vacuum Oven** to dry the cell if no short-circuit

Case Forming and Sealing

- **Pouch Cell Case Forming Machine** to punch cup-shape and gas receiver on Aluminum lamination sheet and then place cell into the cup
- **Top & Side Heat Sealing Machine** to seal the top and shorter side after double-up
- **Glove Box** provide a Moisture and Oxygen free environment
- **Electrolyte Filling System** to fill electrolyte in Vacuum Glove Box
- **Electrolyte Diffusion and Degassing Chamber** by removing air from the electrolyte
- **Vacuum Pre-sealing Machine** to seal longer side (the side with gas receiver) under vacuum after electrolyte is filled
- **Battery Analyzer** to charge/discharge the cell for battery formation and drive the unnecessary gas caused by electrode chemical reaction into gas receiver
- **Pouch Cell Final Sealing Machine** cutting of the gas receiver and vacuum sealing machine for final sealing on the cutting

edge under vacuum conditions with glove box

Battery Testing

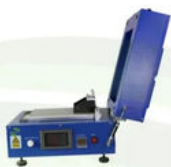
- **Battery Analyzer** to test the pouch cell's performance
- **Battery Impedance Tester** to measure battery's internal resistance

With full set of lithium battery technology,
We specialized in battery laboratory line with semi-auto or full automatic equipment.





Planetary Vacuum Mixer



Automatic Film Coating Machine



Rolling Press Machine



Coin Cell Punching Machine

Coin Cell Lab Equipment



Vacuum Drying Oven



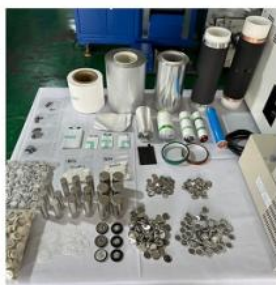
Glove Box



Coin Cell Crimper



Battery Testing Machine





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