



5 Layers/Min Pouch Cell Assembly Equipment Layer By Layer Electrode Stacking Machine

Our Product Introduction

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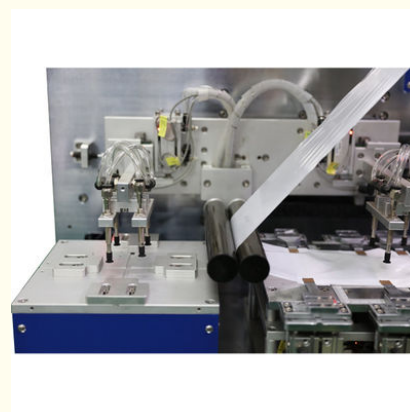
Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-BDP200-C
- 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: Layer By Layer Stacking Machine
- Stacking Methode: Z Fashion
- Stacking Electrode Size: Max. L 200mm * W 150mm Min. L 62mm * W 46mm
- Acceptable Separator Roll Size: I.D>3" (76mm) O.D<9.8" (250mm)
- Stackable Layers: Up To 500 Layers
- Stacking Speed: Up To 5 Layers/min
- Max. Electrode Thickness: Piled Up Thickness < 10 Mm
- Aligning Accuracy: ± 0.5 Mm For Stacked Electrodes
- Highlight: **Pouch Cell Assembly Equipment, 5 layers/min Pouch Cell Assembly, Pouch Cell Electrode Stacking Machine**



More Images



Product Description



Layer by Layer Stacking Machine for Pouch Cell Electrode

Model: MR-BDP200-C**Product Introduction:**

It is mainly used for the assembly of Z-shaped laminations of lithium battery positive, negative electrode and diaphragm. The device realizes manual loading, subsequent pole piece position correction and lamination process by fully automatic, and has the characteristics of high lamination efficiency and high stacking precision. The device can be designed to stack up to 200*200mm batteries. Different sizes can be realized by adjusting fixtures, which is very suitable for the development and sample preparation of laminated lithium-ion batteries. The device adopts a single cantilever structure design, and the coil isolation membrane automatically controls the constant tension, and the motor drives the diaphragm to move left and right to realize the zigzag lamination.

Main Features:

- *The number of laminations can be automatically controlled according to preset settings;
- *Adopt compatibility design, the battery size change can be realized by adjusting the positioning fixture, and the adjustment range is large;
- *PLC control, HMI operation, easy to use and maintain;
- *Pole piece manual loading, automatic positioning, automatic suction of the robot, automatic stacking;
- *The diaphragm is forcibly guided and the pole piece is mechanically positioned to ensure high lamination accuracy;

Technical Specifications

Model	Semi-Auto Layer by Layer Stacking Machine MR-BDP200-C
Working Voltage	AC220V 50/60Hz
Power	1KW
Stackable Size	Max. L 200mm * W 150mm Min. L 62mm * W 46mm
Stackable Layers	Up to 500 layers
Stacking Speed	Up to 5 layers/min
Max. Electrode Thickness	Piled up thickness < 10 mm
Aligning Accuracy	±0.5 mm for stacked electrodes
Acceptable Separator Roll Size	I.D>3" (76mm) O.D<9.8" (250mm)
Stacking Fixture	One set of 80 x 50mm stacking die fixture is included for immediate use. If you need different size electrode stacking, please inform us before order. We will make for your at extra cost. Allowable customization size: Max. 200mm x 200mm; Min. 80 mm x 50 mm
Vacuum Pump	An Oilless Vacuum pump (28L/min, 140W) is built-in to enable the vacuum suction function of the electrode pick-up/stacking manipulator.
Suggested Air Pressure	0.5 - 0.8 MPa (Air compressor is not included in the standard package.) Attention: If a gas cylinder is used instead of air compressor, a two-stage pressure regulator must be installed on the gas cylinder to limit the pressure within the required working range for safe operation.
Product Dimensions	1200 mm L x 800 mm W x 900 mm H

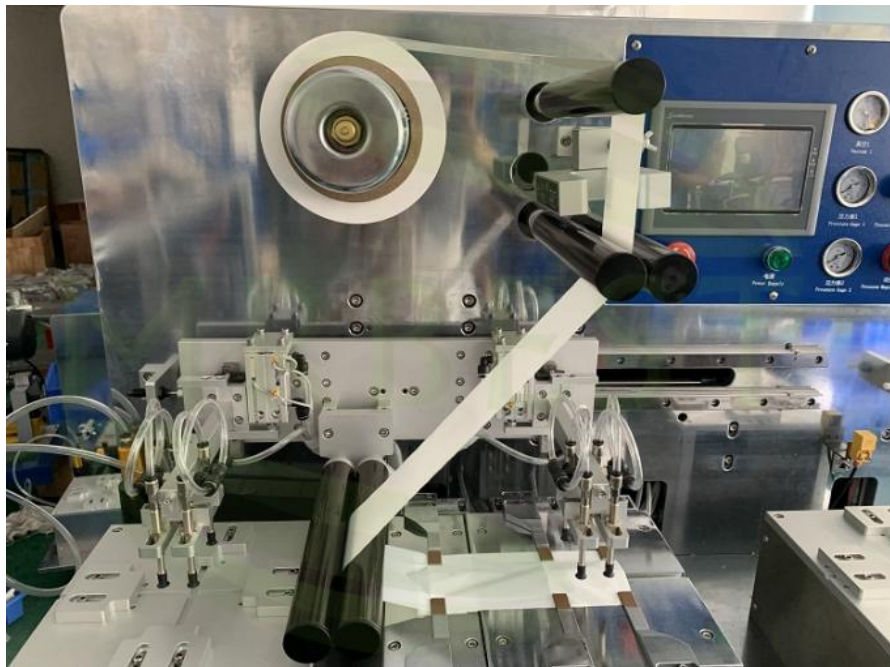
Weight	500 kg
Compliance	CE Certified
Warranty	One Year limited warranty with lifetime support Rusting and damage due to improper storage condition or maintenance is not covered by warranty
Application Notes	<i>Note: please confirm electrode sheet size before order (each mold only fit with one size electrode)</i>

Maintenance methods and precaution

1. Always wipe the pendulum roller and the lamination table to keep it clean.
2. The moving parts of the bearing slides are lubricated to keep the movement smooth.
3. If it is not used for a long time, wipe the surface of the machine clean and wrap the packaging tape for storage.
4. Regularly check the screws, nuts, pins and other fasteners in all parts of the machine to prevent looseness and prevent machine quality accidents and personal accidents.

Picture for Reference

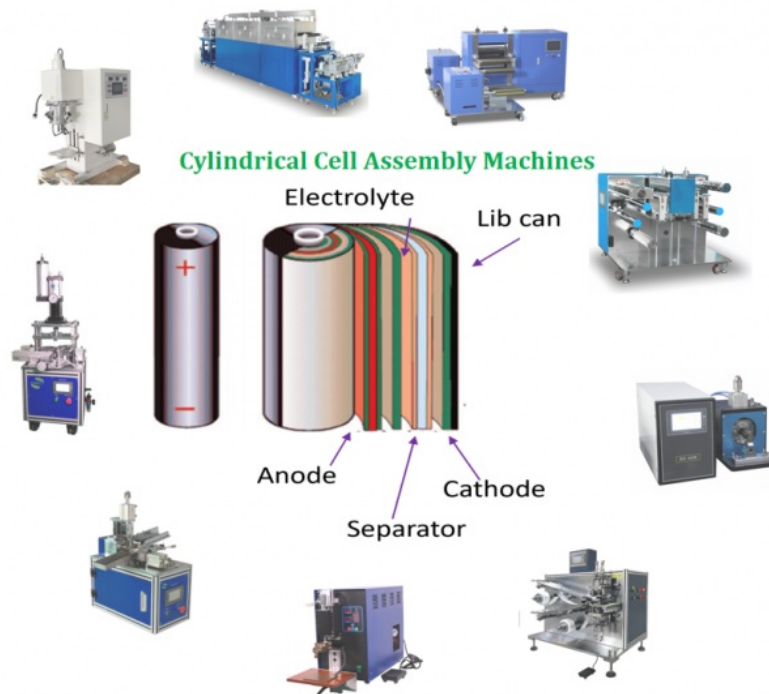




Pouch Cell Assembly Machines

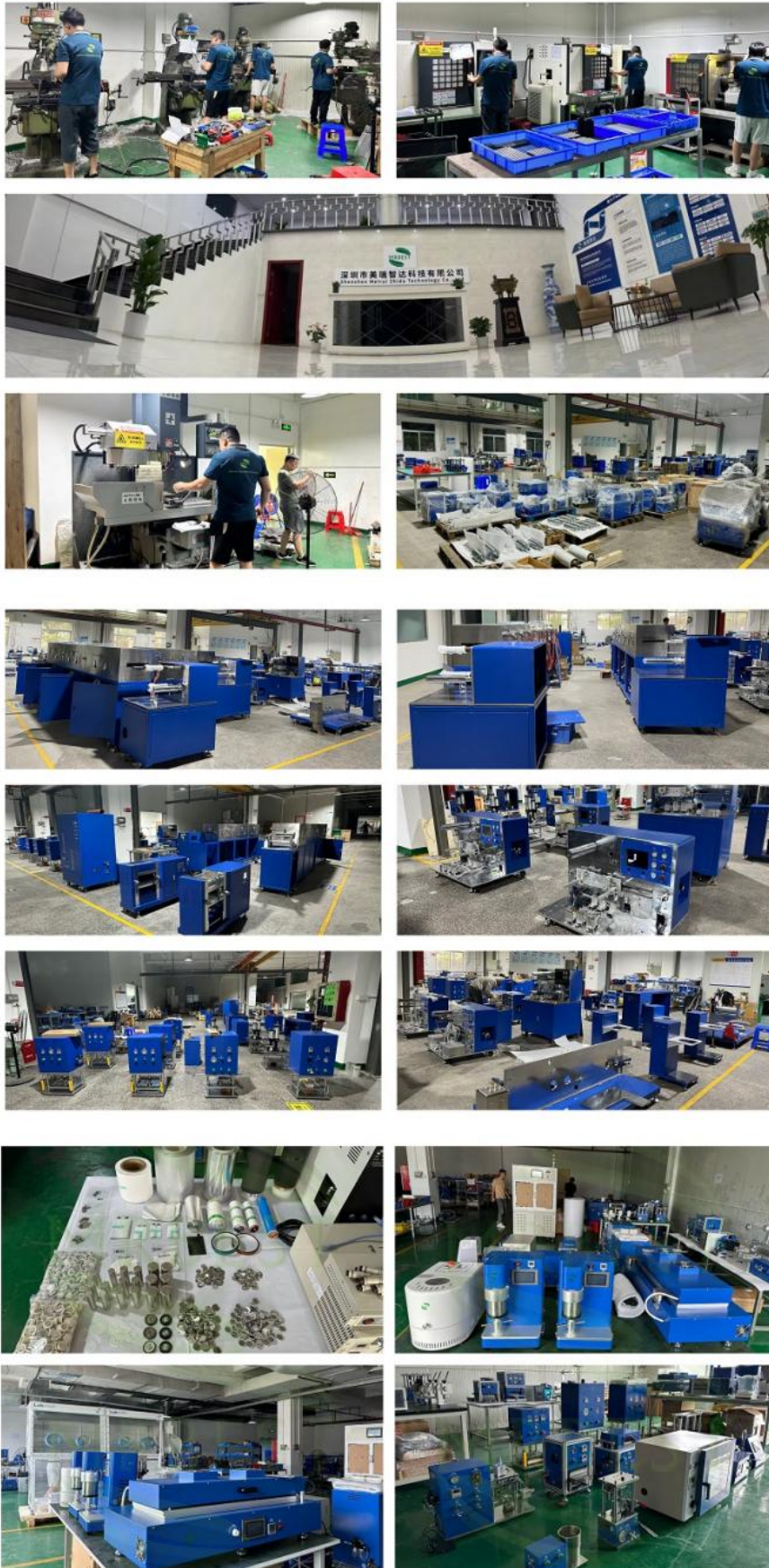


Cylindrical Cell Machine



Coin Cell Machines

MRBEST Factory Show



Shenzhen Meirui Zhida Technology Co., Ltd
Manufacturer Vendor for Lithium Battery Equipment in Shenzhen China
MRBEST Engineers has over 20 years experience in Lithium-ion Battery Researching and Manufacturing!
MRBEST International Sales Team has over 10 years export experience
24*7 Online after-sale dept and quick response!
Provide complete solution for Battery & Material Research Equipment
MRBEST Factory with ISO Certificate and products are CE approved



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