



## Automatic Pouch Cell Assembly Vacuum Sealing Machine For Battery Making

### Our Product Introduction

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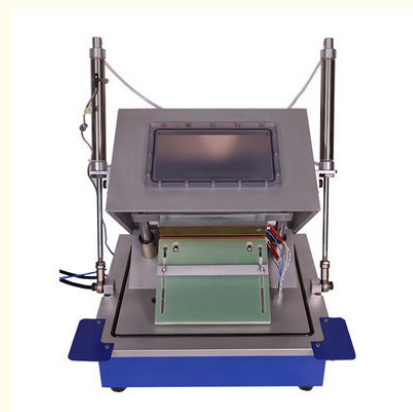
#### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-YF200
- 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: Pouch Cell Pre-sealing Machine
- Application: For Battery Research
- Suitable Battery: Pouch Cell
- Sealing Width:  $5 \pm 0.4\text{mm}$  (can Be Customized)
- Sealing Length: 200mm
- Seal Thickness Range: 60~300um
- Head Temperature: Max 250
- Heat Sealing Pressure: 0.7Kg/cm<sup>2</sup> Adjustable
- Highlight: Automatic Pouch Cell Assembly, Battery Making Pouch Cell Assembly, Vacuum Pouch Cell Sealing Machine



#### More Images



## Product Description



### Pouch Cell Vacuum Sealer Sealing Machine For Battery Making

**Model:** MR-YF200

Pouch Cell Pre-sealing Machine is mainly suitable for vacuum hot sealing of pouch cell after electrolyte filling and standing; the machine can automatically complete vacuum thermal sealing of aluminum laminated film by precisely controlling the main vacuum pumping box and pneumatic heat sealing components.

#### Features:

- \* The head is made of copper material, which has good heat transfer effect, saves power consumption, improves work efficiency and saves energy compared with similar products;
- \*The pressure of upper and lower heads can be adjusted by pressure regulating valve to meet the requirements of different process parameters;
- \*The upper and lower heads are driven by cylinder and guided by two linear guide sleeves, which can move up and down flexibly and guide accurately, ensure the requirement of parallelism after edge sealing;
- \*Through the perspective window, we can observe the changes in the cavity when working.
- \*The cover cavity is driven by cylinder and guided by rotating guide sleeve, which can move up and down flexibly and guide accurately to ensure the sealing requirements of products.
- \*It can be used for batteries of different specifications, and the adjustment is simple and convenient.
- \*The main engine and control box are designed separately, so that the machine can work in glove box or on assembly line.
- \*Simple operation, beautiful appearance, small volume and light weight.

#### Specification

Name	Pouch Cell Pre-sealing Machine MR-YF200
Chamber	The chamber is made of aluminum alloy, which is corrosion resistant and has a firm structure;
Vacuum degree	The vacuum degree can be adjusted up to -95Kpa (the buyer shall provide the vacuum pump);
Head temperature	Room temperature 250 , temperature adjustable;
Temperature control accuracy	±2 ;
Heat sealing pressure	0.7Kg/cm <sup>2</sup> adjustable;
Heat sealing time	0.99 seconds adjustable;
Edge sealing width	5±0.4mm (can be customized)

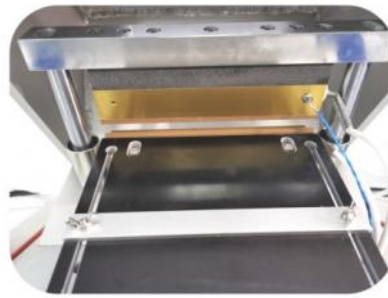
Maximum edge sealing length	200mm (can be customized, such as 300/400/500mm sealing length)
Seal thickness range	60~300um
Seal thickness accuracy (mm)	Sealing thickness difference between any two points<15um
Air consumption	About 0.2L compressed gas per seal once.
Working speed of air compressor	≥180 times/h
power	Using 300w heating tube, the power consumption when heating is about 0.6KW.
Power Supply	220V/50Hz;
Compressed air source	0.5 0.8Mpa; When used in the glove box, the cylinder power source must use the same working gas used in the glove box;
Working chamber	470mm*485mm*435mm;
Control box	420mm*325mm*225mm
Equipment weight	About 50Kg

### Picture for Reference



### *Adjustable tilt fixture*

Suitable for edge sealing after electrolyte filling, height adjustable



### **Vacuum Meter**



### *Vacuum meter*

The vacuum degree can be set on the touch screen

Max. -95Kpa adjustable

### *English touch screen controller*

Multiple parameters setting, such as sealing head temperature, sealing time, automatic/manual setting







For completing the full sealing procedure, you may need the following combination:

\* A. Compact Heating Sealer (suitable for top & side sealing with tab)



\* B. Vacuum Sealing Machine (for pre-sealing in glove box after injection of electrolyte)



\* C. Final Vacuum Sealing Machine  
(for vacuuming and second sealing with automatic puncture and degassing function)



*If you don't want to spend too much budget on the sealing part,  
machine A plus B can also meet your basic sealing need!*

## Pouch Cell Assembly Machines



## Cylindrical Cell Machine





## Coin Cell Machines

## MRBEST Factory Show





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