



## Precision Pouch Cell Assembly Battery Electrode Die Cutter 100W MR-MQ280

Our Product Introduction

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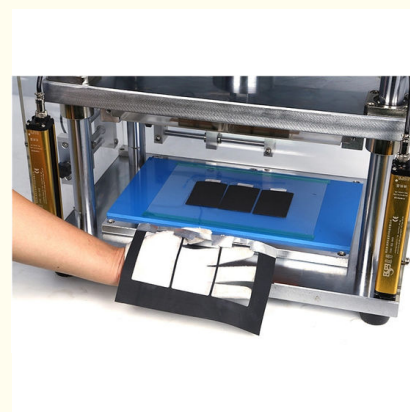
### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-MQ280
- 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 Electrode Die Cutter
- Maximum Die Cutting Size: 280x180mm
- Punching Accuracy:  $\pm 0.1$  Mm
- Vertical Burr:  $\leq 15\mu\text{m}$
- Horizontal Burr:  $\leq 20\mu\text{m}$
- The Life Of The Die: Normal Use  $\geq 30,000$  Times
- Air Cylinder: 3 Tons Max. Pressure
- Die Cutting Stroke: 150mm
- Highlight: Precision Pouch Cell Assembly,  
Pouch Cell Assembly 100W,  
Pouch Cell Electrode Die Cutter



### More Images



## Product Description



## Pouch Cell Electrode Die Cutter For Battery Electrode Cutting

### Model: MR-MQ280

MR-MQ280 is a Precision Pouch Cell Electrode Die Cutter. It is a necessary tool in the production line of pouch cell to produce specific shapes of cathodes and anodes with current collector tabs. The IR sensor (Safety Curtain) built in the front of the machine ensures operation safety when electrode sheets are fed from the front.

### Features

- \*Adopt infrared positioning device to accurately and conveniently locate and cut the pole piece;
- \*It is convenient and quick to change the die cutter;
- \*The die life is long, and the normal use is  $\geq 30,000$  times;
- \*There are no quality defects such as rough edge, clippings, or creasings;
- \*Between manual and fully automatic, the efficiency is 800 ~ 2000 pieces / hour;  
(According to the size of the punched pole piece, you can punch 1 to 8 pieces each time, the standard is 2 pieces)
- \*Four guide column structure, smooth sliding up and down;
- \*The equipment inlet has a safety protection light curtain, which is very safe to operate;
- \*Exquisite appearance, sheet metal adopts three-dimensional geometric design, simple and beautiful;
- \*Easy to operate, safe and reliable, small size;

### Instructions

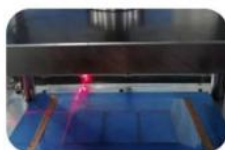
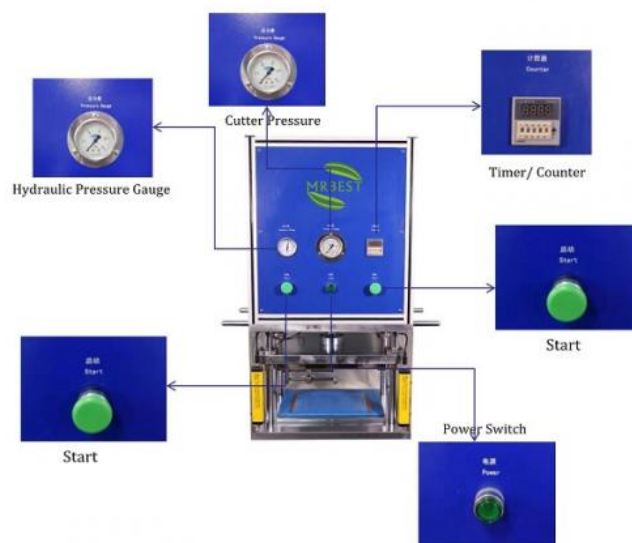
Put the electrode into the die-cutting position, and then press the foot switch. The booster cylinder drives the die-cutting knife group to automatically cut the electrode.

### Specifications:

Model	Pouch Cell Electrode Die Cutter MR-MQ280
Infrared Positioning Device	Accurate and convenient positioning of the pole piece
Quality	Vertical burr $\leq 15\mu\text{m}$ , horizontal burr $\leq 20\mu\text{m}$ ;
The life of the Die	Normal use $\geq 30,000$ times
Maximum die cutting size	280x180mm (Two standard electrodes (Cathode & Anode) cutting dies are included for immediate use, can be customized according to customer requirements)
Punching accuracy	$\pm 0.1 \text{ mm}$
Air Cylinder	3 tons Max. pressure <i>Attention: If a gas cylinder is used instead of an 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.</i>
Die cutting stroke	150mm
Gas-liquid air cylinder drive	punching force and punching speed adjustable
Production Yield	800 - 2000 pieces of electrodes per hour
Warranty	One-year limited warranty with lifetime support Rusting and damage due to improper storage condition or maintenance are not covered by warranty
Safety Sensor	Built-in IR sensor (Safety Curtain) to protect against hand injuries during electrode feeding

Power supply	220V/50Hz or 110V/ 60Hz
Max. Power Consumption	100W
Compressed air	0.5 Mpa to 0.8 Mpa
Dimensions	L580xW455xH900mm
Weight:	180kg

### Picture for Reference



#### Light Curtain Protection

Ensure safety operation

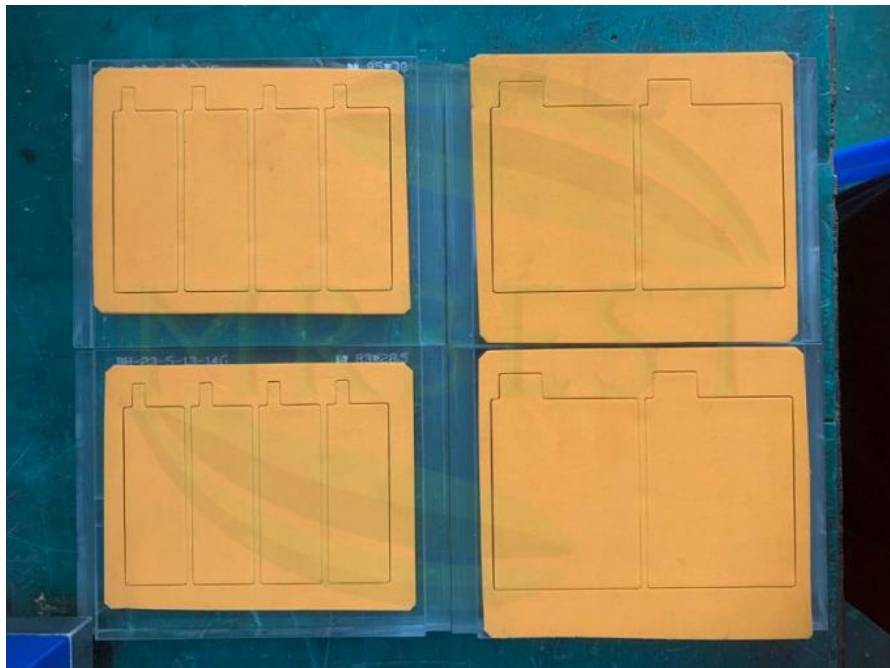
#### Customized Cutting Die

Easy to change,  
different customized size  
are available



#### Start Button

Press two start buttons simultaneously,  
ensure safety operation



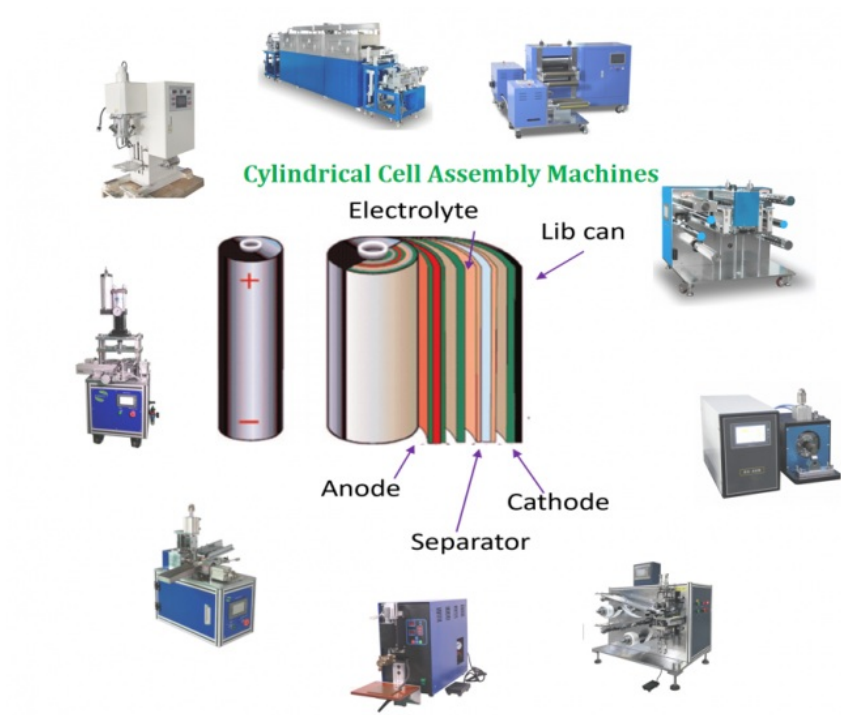




**Pouch Cell Assembly Machines**



**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**



**Shenzhen Meirui Zhida Technology Co., Ltd.**



+86 19866156608



tina@szmrbest.com



lithiumbattery-machine.com

104 Building 6, Second Industrial Zone, Shanmen Community, Yanluo Street, Baoan District, Shenzhen China