



## CE Approved Lithium Battery Making Machine Customized Cylindrical Cell Manufacturing

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MRBEST-Cylindrical 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 Cell Manufacturing Machine
- Application: For Battery Research
- Suitable Battery: Cylindrical 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: **Cylindrical Cell Lithium Battery Making Machine , Lithium Battery Making Machine Customized, CE Cylindrical Cell Manufacturing**

## Product Description

### Battery Cell Manufacturing Machine For Cylindrical Cell

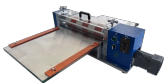

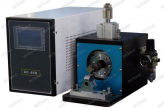
Cylindrical Cell is also called cylindrical battery, which is distinguished from the shape of a cylindrical cell Batteries, general models are AA, AAA, 18650, 26650, 32650, etc.

Followings are the Assembly Line for Cylindrical Cell Manufacturing:

#### 1. Sample Preparation

Procedure	Process Flow	Recommend Equipment
Slurry Preparation	Furnace to sinter raw active material (Cathode & Anode)	
	Milling Machine to mill material to smaller particles	
	Mixer to mix active, conductive and binder material into paste within vacuum	
Coating and Drying	Coater to coat paste onto current collector; attach heater to dry	
Calendering	Rolling Press (Calendar) to roll the electrode to proper thickness	







#### 2. Cell Assembly

Process Flow	Recommend Equipment
Slitting Machine to slit electrode sheet to strip	
Vacuum Oven: remove any moisture within the cell	
Ultrasonic Welding Machine: joining of multi-layer electrodes, and/or tabs to collectors	


Winding Machine: form layers of Anode, Separator, and Cathode into a cell core



### 3. Case Formation and Sealing

Process Flow	Recommend Equipment
Spot Welding Machine: allow contact to be made from cell to bottom of case(grounding)	
Grooving Machine: creat indent on the neck of case to allow for proper seal (after inserting the cell core)	
Welding Machine: attach cell to cap (positive)	
Electrolyte Filling: inject the case with electrolyte within Glove Box	
Electrolyte Diffusion & Degassing Chamber for Profession Li-ion Battery Research	
Sealing Machine (Crimper): align cap with the open end of case and seal case inside Glove Box under suitable environment	

### 4. Battery Analyze

Process Flow	Recommend Equipment
Battery Analyzer: charge/discharge the assembled battery for cell activation and Battery Analyzer to test the battery's performance	

#### 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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