



Li Ion Battery Manufacturing Machine 18650 Cylindrical Cell Assembly Line

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: 18650 Cylindrical Cell Battery Assembly Line
- 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: **Li Ion Battery Manufacturing Machine, 18650 Battery Manufacturing Machine, 18650 Cylindrical Cell Assembly**

Product Description

18650 Cylindrical Cell Battery Assembly Line



18650 Cylindrical Cell Battery Assembly Line, designed for both research and factory labs, is suitable for the production of a wide range of cylindrical Li-Ion cells, including 18650, 26650, and 21700 formats.

18650 Cylindrical Cell Battery Assembly Line

1. Electrode preparation

Used to prepare the positive and negative electrodes, including machines for mixing, coating, pressing and drying the electrode materials and sheets.

2. Battery assembly

Used to assemble the positive and negative electrodes with the separator to form a battery cell, including machines for winding, welding, grooving and sealing the battery cases.

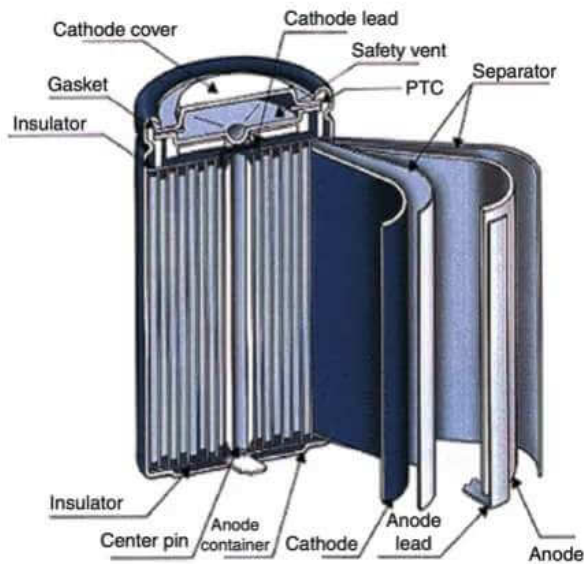
3. Electrolyte filling

Used to vacuum the battery case and fill electrolyte.

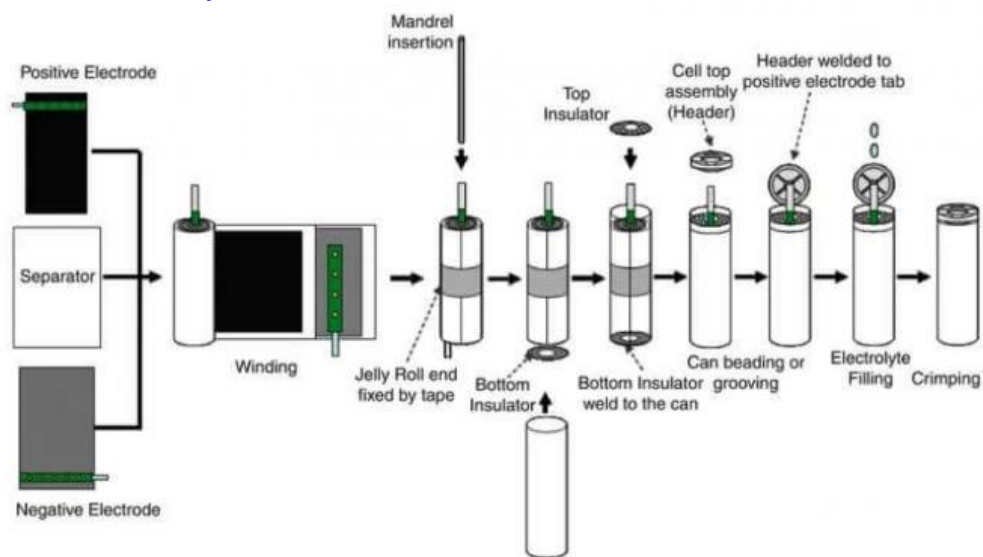
4. Formation and testing

Used to charge and discharge the battery cell to activate and stabilize cells and evaluate the performance of final batteries.

Cylindrical Cell Components



Flow Chart for how Cylindrical Cells are Assembled



MRBEST Cylindrical Cell Battery Assembly Line Equipment and Process

No.	Process	Equipment Name
1	Raw material baking	Vacuum Drying Oven with Tri-Level Shelf Heating Modules
2	Vacuum Mixing	Large Planetary Vacuum Mixer with Vacuum Pump and Water Chiller
3	Slurry viscosity Test	Digital Touch Screen Viscometer
4	Vacuum Mixing	Turnover Bucket (with Lifting Flame)
5	Magnetic De-Ironing Filtration	Magnetic De-ironing Filtration System for Battery Electrode Slurry
6	Electrode Coating	3 Rollers Battery Electrode Intermittent Coating Machine
7	Waste Gas Treatment	Solvent Processing System Waste Gas Treatment Equipment
8	Roll press	Roll to Roll Pressure Controlled Rolling Press Machine
9	Electrode Sheet Cross Cutting	Lithium Battery Electrode Sheet Cutter Machine for Battery Big Electrode Cutting after Coating Process
10	Electrode Sheet Slitting	Battery Electrode Roll Slitting Machine
11	Sticking glue of lithium ion battery electrode	Lithium ion Battery Electrode Piece Sticking Machine
12	Tab Welding	Al Tab Ni Tag Ultrasonic Welding Machine
13	Electrode Winding	Automatic Precision Winding Machine
14	Put the cell into the battery shell, and weld the negative electrode lug and the negative electrode shell with a spot welder	Precision High Frequency Inverter DC double Pulse Spot Welding Machine
15	Short circuit testing	Short Circuit Tester

16	The battery shell is formed by rolling groove, which is convenient for sealing.	Floor-stand Automatic Grooving Machine for Batch Processing of Cylindrical battery Castings
17	Cylindrical Cell Cap Laser Welding	Laser Welding Machine
18	Filling the electrolyte into the battery	Automatic Precision Electrolyte Injection Station for Cylindrical Cell Batteries
19	Sealing the cylindrical cell cases	Automatic Cylindrical Cell Crimping Machine
20	Cell Formation and capacity testing	512 Channel Lithium Ion Battery Tester Equipment
21	Print numbers to cylindrical cells	Continuous Small Character Ink Jet Printer
22	Remove the moisture from the battery production process to ensure the quality of the battery	Dehumidification and Drying System
23	Vacuum pumping	Monoblock Rotary-vane Vacuum Pump
24	Provide compressed gas for each battery production machine	Helical Compressor

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 .



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