

## Manual Rolling Press Machine For Lithium Battery Electrode Calendering

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-SG100L
- 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: Manual Roller Press Machine
- Roller: Dia 96 X W100mm, Other Width Available
- Roller Hardness: >HRC62
- Pressing Thickness: 0~2mm Adjustable
- Rolling Press Accuracy:  $\leq \pm 0.005$
- Rolling Press Width: 100mm Optional 150mm, 200mm, 250mm, 300mm
- Product Dimensions: 350 Mm(L) X 240mm(W) X 350mm(H) (14" X 9.5" X 14")
- Weight: 45kg (100 Lbs)



### More Images



## Product Description



## Precision 4" (100mm) Width Manual Rolling Press Machine For Lithium Battery Electrode Calendering

**Model:** MR-SG100L

MR-SG100L Lab Roll Press Machine is a Manual Rolling Press Machine. It has dual rollers of 96 mm dia. x 100mm width and dual grade micrometer. This lab roll press machine is an ideal rolling press for adjusting thickness and increasing active material density of the electrode in Li-Ion batteries research after coating and drying. This Lab roll press machine is mainly used in the laboratory lithium battery materials, small amount of precious metals such as gold and silver materials, copper, aluminum and other non-ferrous metal materials manually suppressed

### Specifications

Model	4" Width(100mm) Manual Rolling Press Machine MR-SG100L
Structure	1. Heavy duty steel frame, gears and handle 2. Φ96mm Dia. x 100mm width Rollers made from hardened tool steel (HRC > 60) with Cr electroplated coating 3. Dual micrometer for accurate thickness adjustment in the range 0 - 2mm Maximum
Roller	<b>Dimensions:</b> 96mm(Dia.) x 100mm(W) <b>Material:</b> Made from hardened tool steel (HRC > 60) with Cr electroplated coating. With finish > 0.8
Rolling Press Accuracy	≤±0.005
Rolling Press Thickness	0-2mm adjusted with Dial gauge
Rolling Press Width	100mm, Optional 150mm, 200mm, 250mm, 300mm, 350mm, 400mm
Product Dimensions	350 mm(L) x 240mm(W) x 350mm(H) (14" x 9.5" x 14")
Weight	45kg (100 lbs)

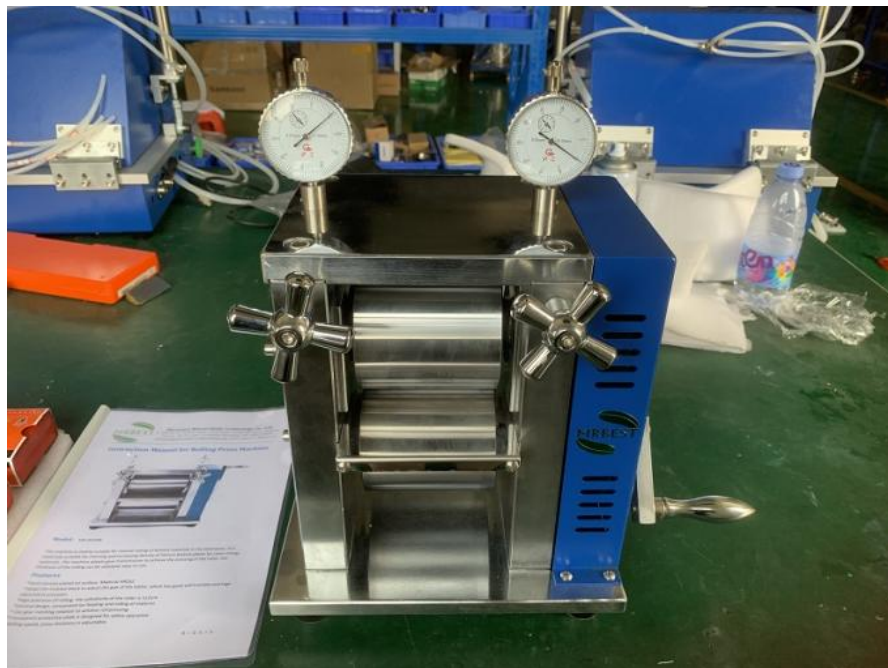
**Application Notes**

This roller is specially designed for battery R&D in terms of its advantages as affordable, compact and precise.  
1 Must use ace tone to clean and dry rollers' surfaces after each use to avoid rusting  
2 Coated Rust-proof oil if machine were to be unused for a long period of time  
3 The minimum thickness of the rolled sheet should depend on the physical property of the materials. Here are some results from our test:

Electrode	Size	Original thickness	Finished Thickness
LiFePO4 double sides	50mm W * 260mm L	0.205mm	0.09mm
LiMn2O4 double sides	50mm W * 260mm L	0.205mm	0.09mm
Copper foil +Graphite (single side)	75mm W * 240mm L	0.09mm	0.04mm

Sample testing is available upon customer's request

**Picture for Reference**







Pouch Cell Assembly Machines



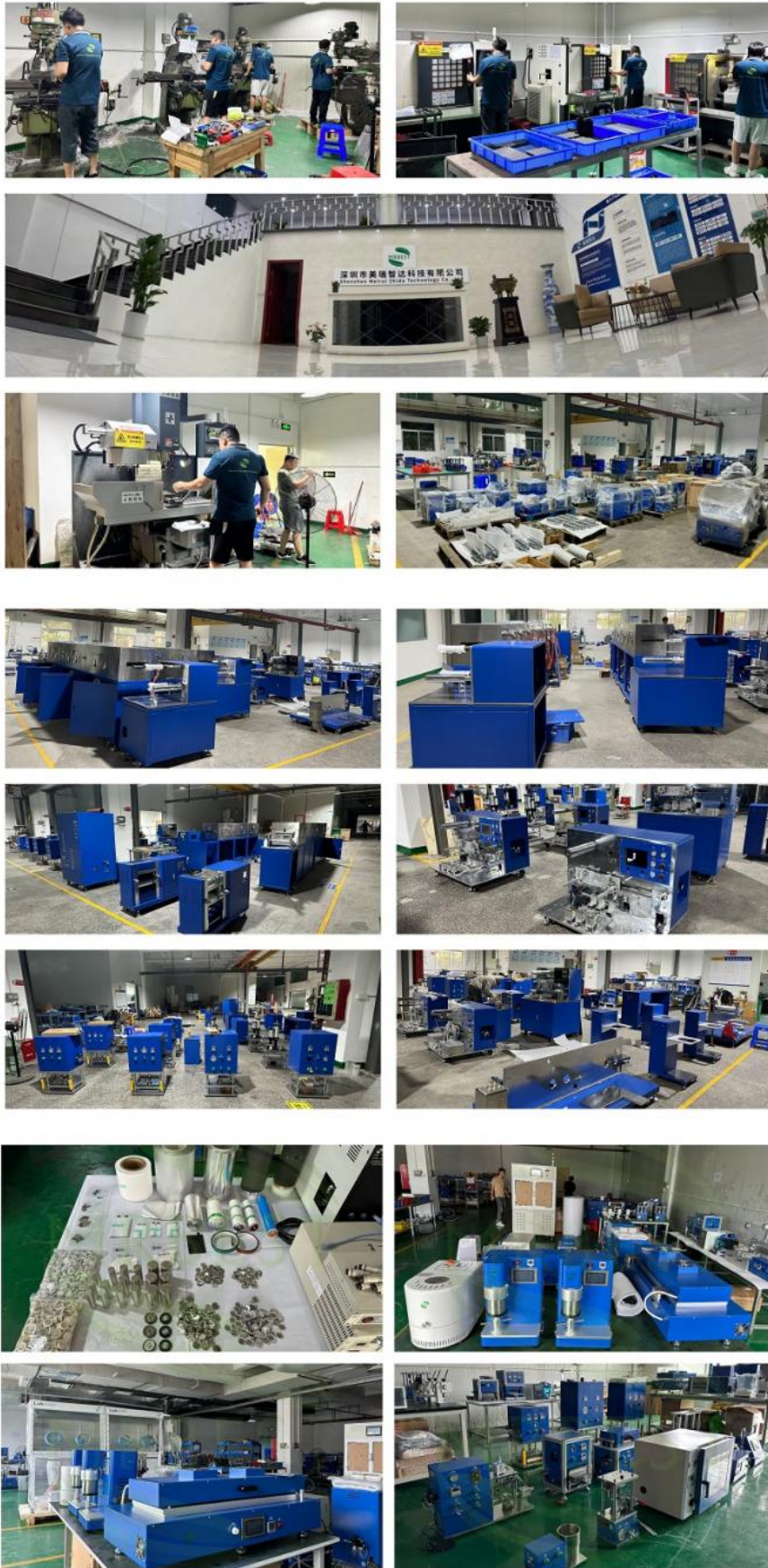
## Cylindrical Cell Machine



## 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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