

**XIAMEN TOB NEW ENERGY TECHNOLOGY CO., LTD.**

Provide A Full Set Of Solutions For Battery Machines.

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## Manual Rolling Press Machine 100mm Width



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.

- Item No.:TOB-SG-100L
- Order(Moq):1
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7

## Product Detail

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

#### SPECIFICATIONS

1 TOB-SG-100LLab Roll Press Machineis aManual Rolling Press Machine. It has dual rollers of 96 mm dia. x 100mm width and dual grade micrometer. Thislab roll press machineis an ideal rolling press for adjusting thickness and increasing active material density of the electrode in Li-Ion batteries research after coating and drying.

2 ThisLab roll press machineis 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

Model

4" Width(100mm) Manual Rolling Press Machine TOB-SG-100L

Warranty	One year limited manufacture warranty with lifetime support
Structure	<p>1 Heavy duty steel frame, gears and handle</p> <p>2 <math>\Phi 96</math>mm Dia. x 100mm width Rollers made from hardened tool steel (HRC &gt; 60) with</p> <p>Cr electroplated coating</p> <p>3 Dual micrometer for accurate thickness adjustment in the range 0 - 2 mm Maximum</p>
Roller	<p>Dimensions: 96mm(Dia.) x 100mm(W)</p> <p>Material: Made from hardened tool steel (HRC &gt; 60)</p> <p>with Cr electroplated coating. With finish &gt; 0.8</p>
Rolling press accuracy	$\leq \pm 0.005$
Rolling press thickness	0-2mm adjusted with Dial gauge
Rolling press width	Max 100mm
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 acetone 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

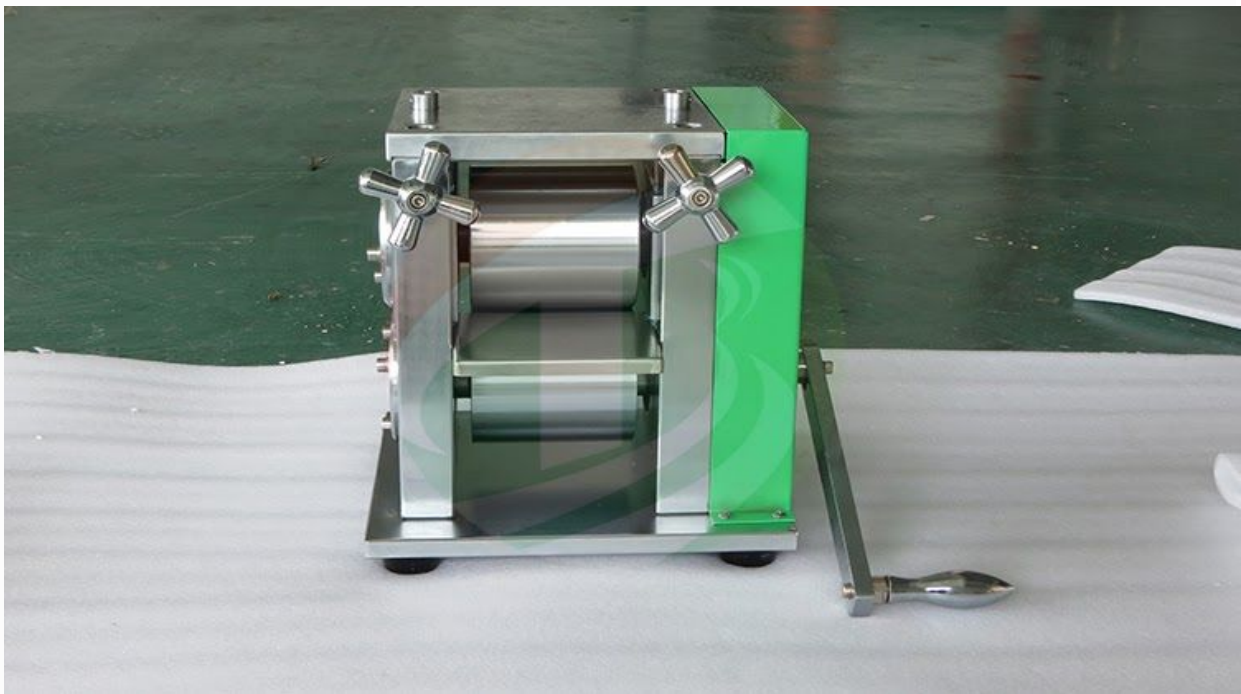
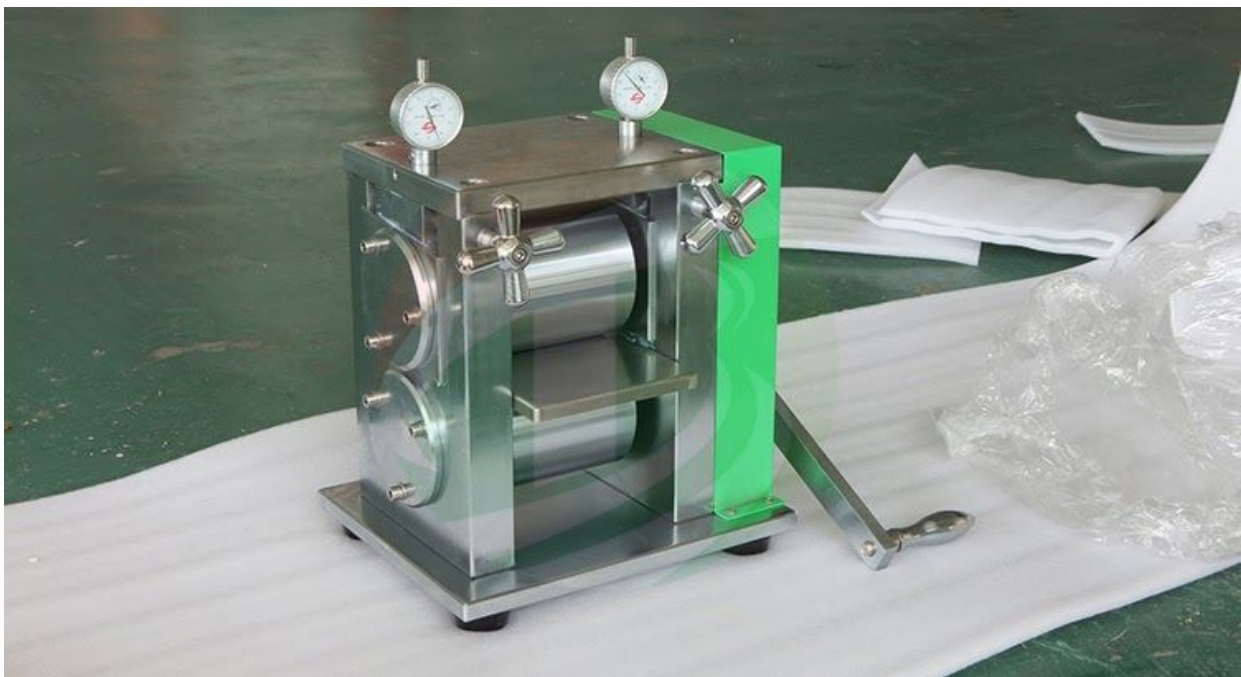
3 The minimum thickness of the rolled sheet should depend on the physical property of the materials. Here are some results from our test:

Electrode	Size	Original thickness	Finished thickness
LiFePO4  double sides	50mm Width x 260mm Length	0.205 mm	0.09mm
LiMn2O4  double sides	50mm Width x 260mm Length	0.205 mm	0.09mm
Copper foil + graphite  (single side)	75mm Width x 240mm Length	0.09 mm	0.04mm

Sample testing is available upon customer's request

PRODUCT DISPLAY









## PACKAGE



## PACKAGE AND SHIPPING

- 1 Standard exported package : Internal anticollision protection, external export wooden box package
- 2 Shipping by express, by air, by sea according to customer's requirements to suggest the most suitable shipping mode
- 3 Responsible for the damage during shipping process, change the damage part for free
- 4 Supply with suitable voltage input and power plug according to customer's country requirements.

## **SERVICES**

- 1 We supply machines with battery technology support.
- 2 We can also supply a full set of materials for lithium battery including polymer battery, cylinder battery, mobile phone battery, EV battery.
- 3 We can also supply a full set of lithium battery equipment for lab research, pilot scale research and production line.
- 4 We can also supply a full set of battery technology for battery design, research and producing.