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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-100L 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.

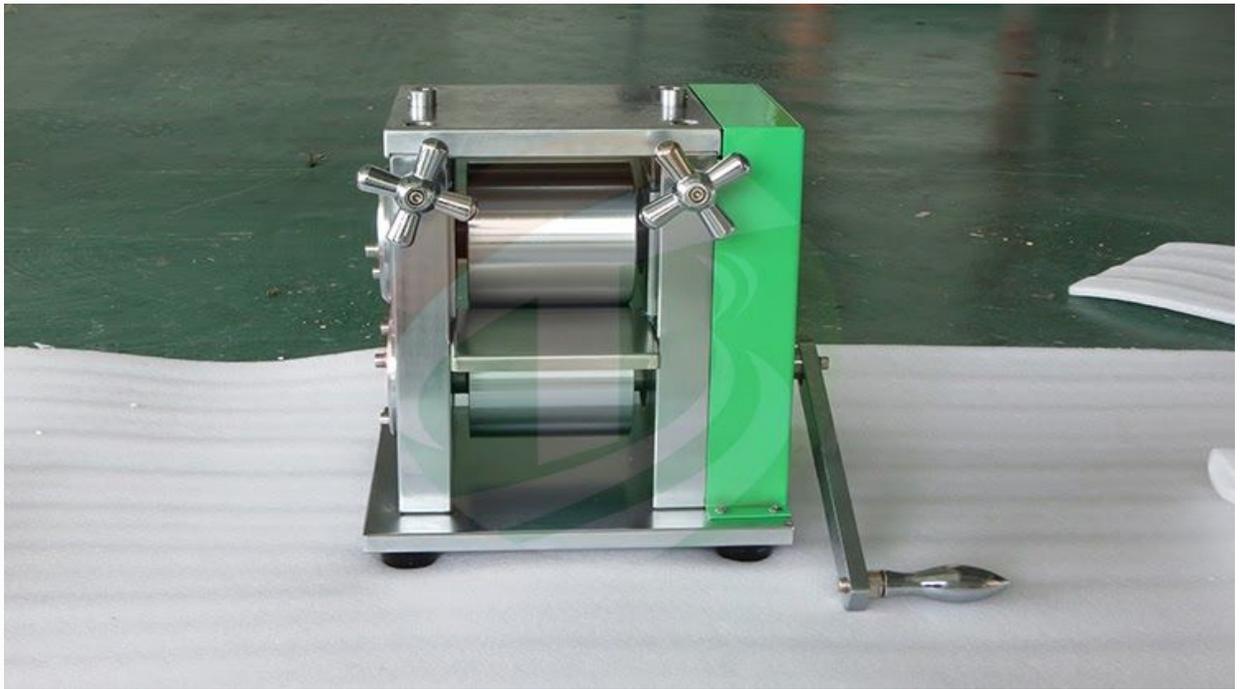
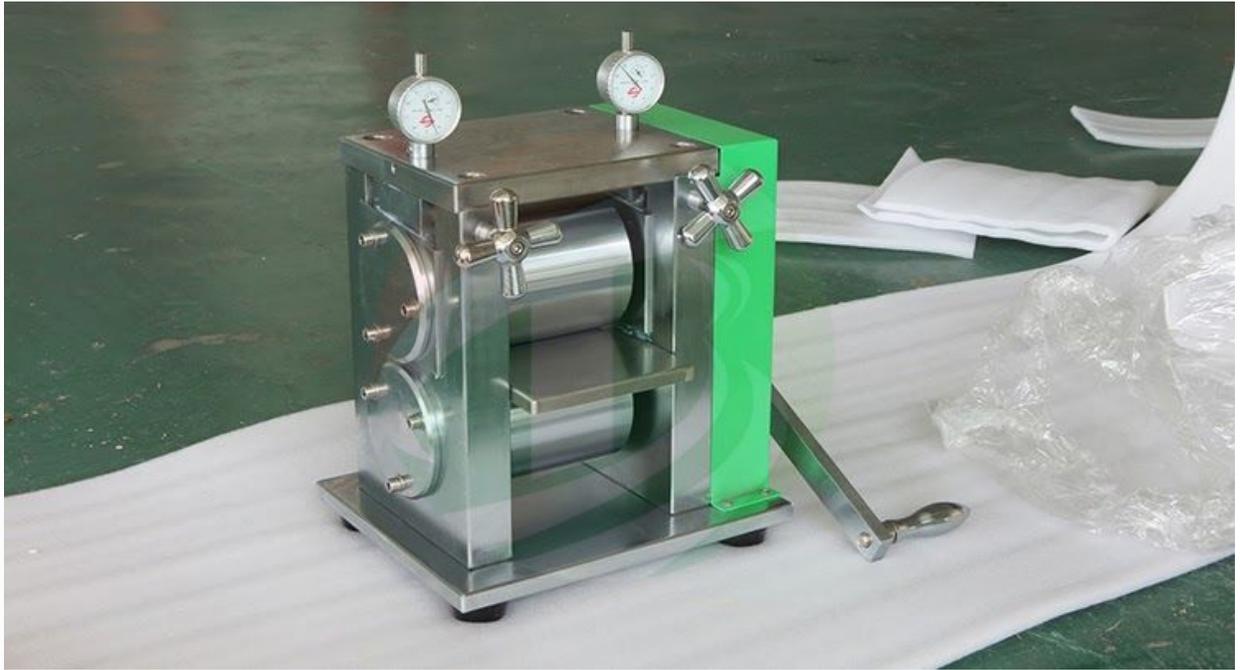
2 This Lab roll press machine is mainly used in the laboratory lithium battery materials, small amount of precious metals such as gold and silver materials, copper, aluminum and other non-ferrous metal materials manually suppressed

Model	4" Width(100mm) Manual Rolling Press Machine TOB-SG-100L
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Warranty	One year limited manufacture warranty with lifetime support
Structure	<p>1 Heavy duty steel frame, gears and handle</p> <p>2 Φ96mm Dia. x 100mm width Rollers made from hardened tool steel (HRC > 60) with 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 > 60) with Cr electroplated coating. With finish > 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)

<p>Application Notes</p>	<p>This roller is specially designed for battery R&D in terms of its advantages as affordable, compact and precise.</p> <p>1 Must use acetone to clean and dry rollers' surfaces after each use to avoid rusting</p> <p>2 Coated Rust-proof oil if machine were to be unused for a long period of time</p> <p>3 The minimum thickness of the rolled sheet should depend on the physical property of the materials. Here are some results from our test:</p>																			
<table border="1"> <thead> <tr> <th data-bbox="446 598 641 871">Electrode</th> <th data-bbox="641 598 917 871">Size</th> <th data-bbox="917 598 1015 871">Original thickness</th> <th data-bbox="1015 598 1177 871">Finished thickness</th> </tr> </thead> <tbody> <tr> <td data-bbox="446 871 641 1071">LiFePO4 double sides</td> <td data-bbox="641 871 917 1071">50mm Width x 260mm Length</td> <td data-bbox="917 871 1015 1071">0.205 mm</td> <td data-bbox="1015 871 1177 1071">0.09mm</td> </tr> <tr> <td data-bbox="446 1071 641 1270">LiMn2O4 double sides</td> <td data-bbox="641 1071 917 1270">50mm Width x 260mm Length</td> <td data-bbox="917 1071 1015 1270">0.205 mm</td> <td data-bbox="1015 1071 1177 1270">0.09mm</td> </tr> <tr> <td data-bbox="446 1270 641 1501">Copper foil + graphite (single side)</td> <td data-bbox="641 1270 917 1501">75mm Width x 240mm Length</td> <td data-bbox="917 1270 1015 1501">0.09 mm</td> <td data-bbox="1015 1270 1177 1501">0.04mm</td> </tr> </tbody> </table>					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
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<p>Sample testing is available upon customer's request</p>																				

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.