

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

Provide A Full Set Of Solutions For Battery Machines.

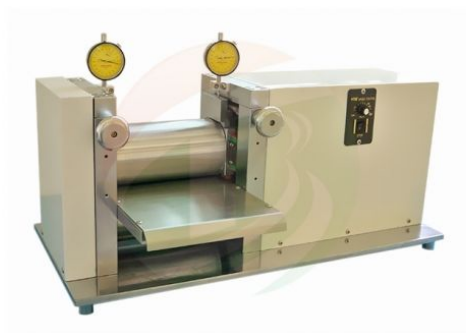
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## Electric Calender With 200mm Width



TOB-DR-200L Lab Roll Press Machine is a compact precision Electric Calender machine. It has dual rollers of 100mm dia. x 200mm width and dual grade micrometer.

- Item No.:TOB-DR-200L
- Order(Moq):1
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7

## Product Detail

### Electric Precision 200mm Width Electric Calender with Dual Micrometer For Lithium Battery Electrode Calendering

#### SPECIFICATIONS

1 TOB-DR-200L Lab Roll Press Machine is a compact precision Electric Calender machine. It has dual rollers of 100mm dia. x 200mm 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 model Electric Calender is mainly used for small electrodes in the rolling process, suitable for use by universities and enterprises experiment line, make the battery electrode compression molding, increased density.

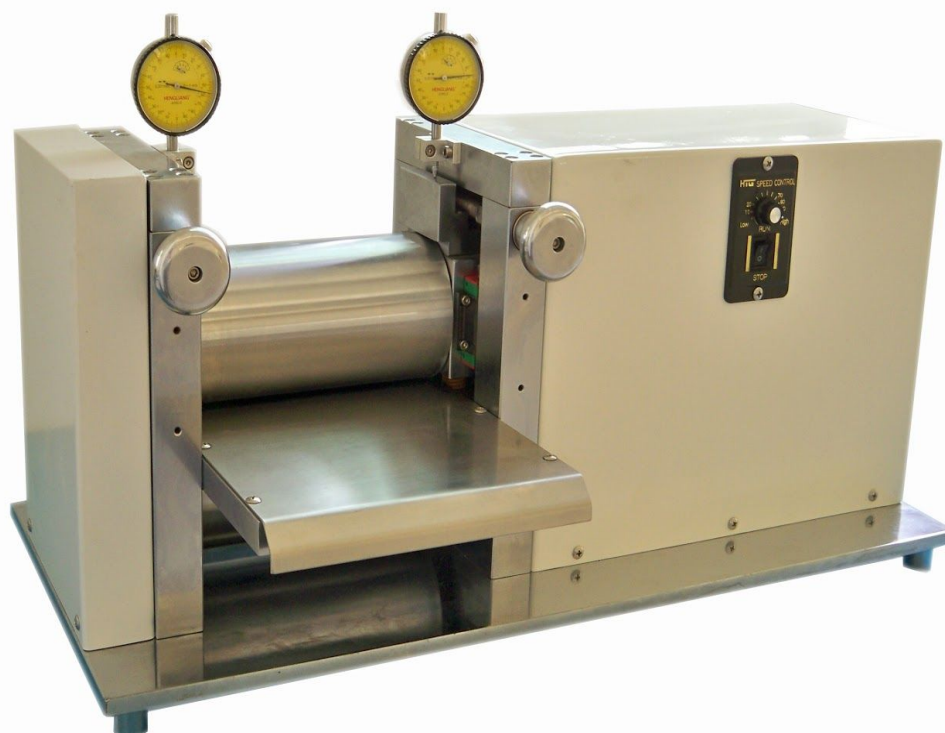
Model	200mm Width Electric Calender TOB-DR-200L
Working Voltage	110V / 220V AC single phase selectable

Power	200W Total
Warranty	One year limited manufacture warranty with lifetime support
Structure	1 Heavy duty steel frame, gears and handle 2 Φ100mm Dia. x 200mm width Rollers made from hardened tool steel (HRC > 62) with Cr electroplated coating 3 Dual micrometer for accurate thickness adjustment in the range 0 - 2 mm Maximum
Roller	Dimensions: 100mm(Dia.) x 200mm(W) Material: Made from hardened tool steel (HRC > 62) with Cr electroplated coating. With finish > 0.8
Rolling press accuracy	≤±0.005
Roller surface hardening depth	5mm
Max pressure	5T
Rolling press thickness	0-2mm adjusted with Dial gauge
Rolling press width	Max 200mm, Customized
Rolling press speed	0-2m/min adjustable
Product Dimensions	700 mm(L) x 320mm(W) x 310mm(H) (28" x 12.5" x 12.2")
Weight	76kg

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:																	
	<table border="1"> <thead> <tr> <th>Electrode</th><th>Size</th><th>Original thickness</th><th>Finished thickness</th></tr> </thead> <tbody> <tr> <td>LiFePO4 double sides</td><td>50mm Width x 260mm Length</td><td>0.205 mm</td><td>0.09mm</td></tr> <tr> <td>LiMn2O4 double sides</td><td>50mm Width x 260mm Length</td><td>0.205 mm</td><td>0.09mm</td></tr> <tr> <td>Copper foil + graphite (single side)</td><td>75mm Width x 240mm Length</td><td>0.09 mm</td><td>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
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Sample testing is available upon customer's request																		

## PRODUCT DISPLAY

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## 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.