



XIAMEN TOB NEW ENERGY TECHNOLOGY CO., LTD.

Provide A Full Set Of Solutions For Battery Machines.

SALES tob.amy@tobmachine.com

TECH SUPPORT +86-18120715609

Search..



Electric Lab Roll 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-DG-100L
- Order(Moq):1
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7

Product Detail

Electric Precision 4" (100mm) Width Lab Roll Press Machine with Dual Micrometer

SPECIFICATIONS

TOB-DG-100LLab Roll Press Machineis a compact precision electricrolling press machine.It has dual rollers of 96 mm dia. x 100mm width and dual grade micrometer. Thislab roll press machineis an idealrolling pressfor adjusting thickness and increasing active material density of the electrode in Li-Ion batteries research after coating and drying.

Model	4" Width(100mm) Lab Roll Press Machine TOB-DG-100L
Working Voltage	110V / 220V AC single phase selectable

Power	120W Total
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 > 62)</p> <p>with Cr electroplated coating</p> <p>3 Dual micrometer for accurate thickness adjustment in the range 0 - 2 mm Maximum</p> <p>4 Equipped with a transparent protective plate, the use of security</p>
Roller	<p>Dimensions: 96mm(Dia.) x 100mm(W)</p> <p>Material: Made from hardened tool steel (HRC > 62)</p> <p>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
Rolling press speed	0-40mm/s adjustable
Product Dimensions	650 mm(L) x 280mm(W) x 300mm(H)
Weight	55kg (180 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:

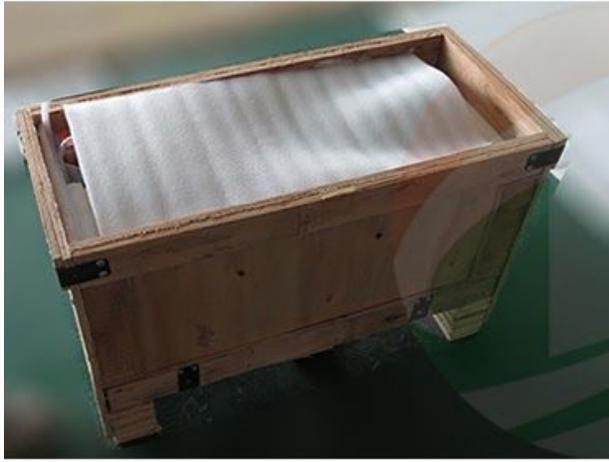
Electrode	Size	Original thickness	Finished thickness
LiFePO4 double sides	50mm Width x 260mm Length	0.205mm	0.09mm
LiMn2O4 double sides	50mm Width x 260mm Length	0.205mm	0.09mm
Copper foil + graphite (single side)	75mm Width x 240mm Length	0.09mm	0.04mm

Sample testing is available upon customer's request

PRODUCT DISPLAY



PACKAGE



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.