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Vacuum Glove Box With H2O & O2 Purification System

Basic Information

Place of Origin: China
Brand Name: MRBEST
Certification: CE

Model Number: MR-Lab2000

Minimum Order Quantity: 1 SetPrice: Negotiable

Packaging Details: Standard Export Wooden Packing

• Delivery Time: 7-30 working days

Payment Terms: T/T, Western Union, MoneyGram

Supply Ability: 500 sets per month



Product Specification

Name: Vacuum Glove Box

Power Supply: 110 - 220V AC, 50/60Hz, Single-phase
 Glovebox Box: 304 Stainless Steel, Thickness 3mm

• Environment Of Box Inside: H2O <1 Ppm O2 <1 Ppm

• Warranty: 1 YEAR



More Images







Lab Single-Side(1200×750mm) Vacuum Glove Box With H2O & O2 Purification System

Model: MR-Lab2000-2400×7

Glovebox is a device to providing anhydrous and anaerobic environment equipment consists of a display system. MRBEST offers the most advanced glove box for lithium-ion battery researching.

Features

- * Equipped with an enlarged organic solvent adsorption device, which can absorb HF and reduce the damage of electrolyte to the glove box components.
- * Closed Loop Gas Circulation Inert gas in a closed loop. The gas is circulated by the blower and purifier, H2O, O2 can be removed continuously.
- * Auto Purging The replacement of the atmosphere inside the glove box can be achieved automatically by the purging valves.
- * Automatic Regeneration H2O and O2 removal material can be regenerated. The regeneration process can be program controlled.
- * Pressure Control in the Glove Box The pressure in the glove box is controlled automatically by the Programmable Logic Controller (PLC). Working pressure can be set between +10mba and -10mba. If the pressure goes over+/- 12mbar, the system will be protected automatically.
- * Automatic Vacuum Pump Control The vacuum pump will be activated automatically when necessary, and will turn off after a period of idle time.

Specifications:

Structure	Integrated structure (Purification System integrated under the box)		
Power Supply	110 - 220V AC, 50/60Hz, Single-phase		
Glove box Box	Box Material: 304 Stainless Steel (Type 304), thickness 3mm Box Size(excluded antechamber and support): 2400mm(L) x 750mm(W) x 900mm(H) 94.49 " x 29.5" x 35.4" Box Support height: 900mm(35.43")		
Tray	Standard Layout Two layers in box.		
	Option/Add: tool boxes or other Various tool boxes, can be placed according to user needs.		
	Tilt design operating window, removable safety toughened glass fron window, 8mm thickness, Wear resistance, corrosion resistance, good light transmission, sealing ring using 3/8 inch thick OMEGA sealing ring.		

Front window		The front window can be designed to open instead of fix, in order to put in a variety of instruments		
	Option: Window	(custom function).		
	Open	1999		
Environment of Box	H2O <1 ppm (20			
inside	O2 <1 ppm (20°C/68 , 1 atm) Control way: manual			
	Design: two circu	ılar antechambers		
	Main chamber size: Φ360mm (Dia.)x 600mm(length)(location: right-side of box)			
	14.17 "(Dia.) x 23.62" (L)			
	Mini chamber size: Φ150 mm(Dia.) x 300mm(L)(location: right-side of box)			
	5.9 (Dia.) x11.8" (L)			
	Vacuum degree:<= 0.1MPa(right side antechambers included main			
	chamber and mini chamber, all of that are need vacuum and display. The vacuum pressure gauge brand is German WIKA.			
Antechamber	Option/add auto			
	control way	It will automatically control the antechamber by time		
	E 815 81	setting and the number of times for gas exhaust and filling.		
	Colo Para Light No. article Para Region			
	Option/Add:	Max temperature:200 / 392		
	heating mode	Control accuracy:±2 /±3.6		
	0	The main chamber and mini chamber are both can adding the heating function (compared with		
		standard antechamber the size is a little different)		
		999% high pure N2, Ar, He and other inert gas		
Working gas and		99% high pure inert gas s: mixing gas of working gas and		
regeneration gas	H2,hydrogen(H2)Volume accounted for 5-10%			
		n only has moisture removal function, the is the same with working gas		
		Gas Purification System included:		
		exygen removal material, US UOP high moisture		
	absorb material. The regeneration process of purification system is auto control and automatic moisture and oxygen removal function.			
	Gas purity can be sustained and keep long-term:H2O<1ppm,			
Gas purification	O2<1ppm. Why Choose Dox	uble Column?		
system	1. The Pure colu	mn need to be regenerated after saturated by		
		ygen and moisture. The regeneration time is 16 no reserved column, it may stop working. (we		
	recommend double column purification system to factory or other unit			
	which need glove box working Continuously); 2. The pure capacity of double pure columns is two times as much as			
	single column			
Pressure control		be auto controlled by PLC touch screen		
system	Control accuracy	:±1Pa ually controlled by foot switch		
Filter system		and outlet both are provided with filter		
niter system	The filter precision			
	microprocessor o	ency conversion fan, flow 0-100m3/h, control, Stainless steel device for pressure testing.		
Closed circulating fan	With water coolin	ng device (can equipped with water cooler and		
Cambral avestaria	external refrigera	touch screen (6 inches), PLC control system,		
Jonitol system	Bilingual in Chine	ese and English can be switched		
Control system	Pressure sensor: -2500 2500Pa touch screen, accuracy±1Pa Pressure control: control the box pressure to one setting point (scope			
print train upon				
Software from	Pressure control: can be set)			
Fifth base page See	Pressure control: can be set) Moisture analyze	er: UK MICHELL brand, 0 1000ppm touch screen		
CONTROL SYSTEM	Pressure control: can be set) Moisture analyze display, precisior	er: UK MICHELL brand, 0 1000ppm touch screen o 0.1ppm		
measurements	Pressure control: can be set) Moisture analyze display, precision Oxygen analyzer	er: UK MICHELL brand, 0 1000ppm touch screen o.1ppm :: US Avcray brand, 0 1000ppm touch screen		
STALL before years The state of the state o	Pressure control: can be set) Moisture analyze display, precisior	er: UK MICHELL brand, 0 1000ppm touch screen 0.1ppm : US Avcray brand, 0 1000ppm touch screen		
STATI Under green STATI Under g	Pressure control: can be set) Moisture analyze display, precision Oxygen analyzer	er: UK MICHELL brand, 0 1000ppm touch screen o.1ppm :: US Avcray brand, 0 1000ppm touch screen		
STATI Under green STATI Under g	Pressure control: can be set) Moisture analyze display, precision Oxygen analyzer	er: UK MICHELL brand, 0 1000ppm touch screen o.1ppm : US Avcray brand, 0 1000ppm touch screen		

Vacuum Pump	1			
		WARDS, pumping speed 8.4-12m3/h, Model: RV12		
The same of the sa		re 2 x 10-3 mbar/1.5 x 10-3 Torr		
	Inlet flange NW2			
12	Outlet flange NW25 Noise level: 50 Hz 48 dBA			
	140130 10401. 001	12 40 dB/(
Glove	Duran da LIO MOD	T. I		
	Brand: US NOR Material: Butyl	IH		
	Model for standa	ard:8B1532		
7				
illumination system		luorescent lamp. Brand: PHILIP		
Solvent removal		ion of activated carbon, can effectively remove trace		
system	organic solvents	; o KF40 Joint, you can lead the water into the box		
		o Ki 40 Joint, you can lead the water into the box		
Spare KF40 standard joint	1	Mr.		
JOITIL				
	- 1	Type Lablace		
	low temperature			
	refrigerator			
		Like Street, S		
	microscope			
Can be connected to other devices (low	Solvent			
temperature	Purification	A. C.		
refrigerator,	System			
film coating machine,		Inside connection(one door of Coating machine is		
microscope, solvent purification system, low temperature cold trap, heating furnace, etc.)		inside of glove box)		
		19 4		
l '				
,	Coating	Outside connection		
,	Coating machine	Outside connection		
,	"	Outside connection		
	"	Outside connection		
	"	Outside connection		
	"	Outside connection		
	"	3050mm(L) x 1000mm(W) x 1950mm(H)		
Equipment size and	machine	3050mm(L) x 1000mm(W) x 1950mm(H) 120.08" x39.37" x 76.77"		
Equipment size and room requirements	machine	3050mm(L) x 1000mm(W) x 1950mm(H) 120.08" x39.37" x 76.77" 2200mm(L) x 1500mm(W) x 2000mm(H)		
room requirements	Overall size Room size	3050mm(L) x 1000mm(W) x 1950mm(H) 120.08" x39.37" x 76.77"		
room requirements Wooden Package	Overall size Room size 3385mm(L) x 11 133.27" x 45" x 5	3050mm(L) x 1000mm(W) x 1950mm(H) 120.08" x39.37" x 76.77" 2200mm(L) x 1500mm(W) x 2000mm(H) 133.86" x59" x 78.74" 45mm(W) x 2300mm(H) 91" (5.8M3)		
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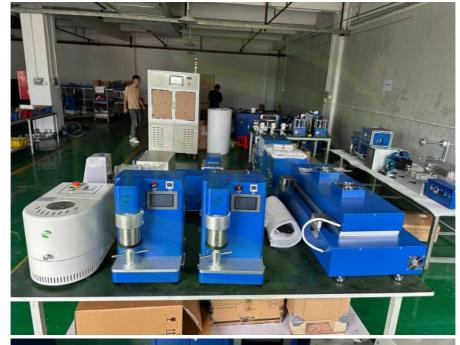
Picture Display





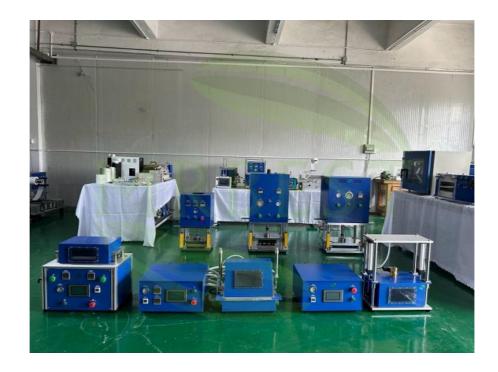


















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20 Years Lithium Battery Industry Experience



Shenzhen Meirui Zhida Technology Co., Ltd. is a Manufacturer specializing in a Complete Set of Lithium Ion Battery Research Equipment. MRBEST has been committed to providing customers with comprehensive Battery Research and Development Equipment to meet customers' new Lithium Battery Technology and New Needs in recent years, such as Sodium Batteries, Solid-state Battery and Semi-solid-state Battery Equipment, special process requirements such as dry process, 4680 large cylindrical battery equipment requirements etc. Create One-Stop Service for Battery Research Equipment for customers and provide Professional Technical Guidance and Support.

MRBEST related products include: Vacuum Mixers, Planetary Vacuum Mixers, Lab Transfer Coating Machine, Automatic Film Coating Machine, Electric Vertical Roller Machine, Pneumatic Die-cutting Machines, Electric Sealing Machines, Vacuum Presealing machine, Secondary Sacuum Sealing Machine, Coin Cell battery Sealing Machine, Battery Winding Machine, Pouch Cell Sealing Machine, Ultrasonic Spot Welding Machine, Glove Box with Purification System etc. MRBEST products have been sold at home and abroad. Our main customer include: Universities, Research Institutes, Battery Positive and Negative Material Companies, Battery Cell Manufacturers, and New Energy EV Battery Manufacturers etc.





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