



## One Work Station Vacuum Glovebox 304 Stainless Steel Customized

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-Lab2000
- Minimum Order Quantity: 1 Set
- Price: 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: One Work Station Vacuum Glovebox
- Work Station: Single Work Station (Can Be Customized)
- Glovebox Box: 304 Stainless Steel, Thickness 3mm
- Environment Of Box Inside: H<sub>2</sub>O <1 Ppm O<sub>2</sub> <1 Ppm
- Antechamber: Φ360mm (Dia.)x 600mm(length)
- Mini Chamber Size: Φ150 Mm(Dia.) X 300mm(L)
- Gas Purification System: Single Pure Column (Double Column Is Optional)
- Control System : SIEMENS Colors Touch Screen
- Highlight: **Vacuum Glovebox Customized,**  
**Vacuum Glovebox Stainless Steel**

## One Work Station Vacuum Glovebox For Lab Battery Fabrication



**Model:** MR-Lab2000-1200×7

MR-Lab2000 is an internet of things vacuum glovebox, centralized equipment management intelligent analysis & early warning of equipment status, the abnormal alarm message is actively pushed, remote fault diagnosis and online debugging. H<sub>2</sub>O & O<sub>2</sub><1ppm. It is widely used for Lithium Battery, Physical Chemistry, OLED&PLED, Organometallic, Solar Cell, Semi-Conductor, Catalyst, Material Handling, Fine Chemicals, Polymeric Materials, Powder Metallurgy, Special Welding, Special Lamps, Nuclear Technology, Pharmaceutical etc.

### Features

- Intelligent analysis & early warning of equipment status, the abnormal alarm message is actively pushed, remote fault diagnosis and online debugging
- H<sub>2</sub>O & O<sub>2</sub><1ppm
- Low leak rate
- PLC control
- Wide application
- World famous brand components are used.

### Main Data

- 1) H<sub>2</sub>O & O<sub>2</sub>: <1ppm
- 2) Leakage rate of box: 0.05 vol /h

### Technical Parameter

Glovebox House	
House	Material: Stainless steel type 304, thickness 3mm Inside surface: Brushed finish Outside surface: Enameled, White Inside dimension: L1220 * W750 * H900mm
Window	Safety glass with thin film, thickness 8mm
Glove port	POM, O ring sealed, 2 ports
Gloves	1 pair, Butyl, thickness 0.4mm, Dia. 8 inch x length 32 inch
Dust filter	0.3 micron, 1 gas inlet and 1 gas outlet filter included
Shelves	2 layers shelves inside, height adjustable
Light	LED light front mounted
Feedthrough	DN 40 KF: several pieces Electrical feedthrough: 1 electrical plug for inside
Vacuum Chamber	
Big Antechamber	
Chamber	Inside dimension: φ360mm x L600mm Material: Stainless steel type 304 Surface: Brushed finish inside and Painted white outside

Accessories	Door: double door, anodized aluminium Material: Stainless steel type 304 Thickness: 10mm Manometer: Analog display
Control	Manual
Mini Antechamber	
Chamber	Inside dimension: $\phi 150\text{mm} \times L300\text{mm}$ Material: Stainless steel type 304 Surface: Brushed finish inside and Painted white outside
Accessories	Door: double door, anodized aluminium Material: Stainless steel type 304 Thickness: 10mm Manometer: Analog display
Control	Manual
Gas Purification	
Purifier	Function: Removal of $\text{H}_2\text{O}$ and $\text{O}_2$ Container material: Stainless steel type 304 Absorber unit: Copper catalyst: 5Kg Molecular sieve: 5 Kg Capacity of purifying: Removal of 60L $\text{O}_2$ , Removal of 2Kg $\text{H}_2\text{O}$ $\text{H}_2\text{O}$ and $\text{O}_2$ : less than 1ppm
Gas Circulation	Working gas: Nitrogen, Argon and Helium Blower: $90\text{m}^3/\text{h}$
Regeneration	Operation: Auto. PLC controlled Regeneration. Regeneration gas: working gas / $\text{H}_2$ mixture ( $\text{H}_2$ : 5-10%)
Pump	Type: $12\text{m}^3/\text{h}$ Rotary vane pump, Oil mist Angle valves, Gas ballast control.
Valves	Main valves: DN 40 KF electro-pneum. Angle valves
Controlling System	
Function	Includes self-diagnosis, electric failure and restart, pressure controlling and self-adapt, circulation controlling, code protection, union controlling adopts, SIEMENS PLC touch screen etc.
Pressure controlling	The pressure in the box is controlled by PLC, the pressure can be settled between $\pm 10$ mbar, while beyond $\pm 12$ mbar the system will automatically protect itself.
Foot switch	Controlling the pressure, easy to raise or depress the pressure
Accessories	
Moisture Analyzer	Measuring Range: 0~500ppm, display by PLC
Oxygen Analyzer	0~1000ppm, display by PLC
Internet of things system	
Function	<ul style="list-style-type: none"> <li>• Login control system from WeChat Public Number.</li> <li>• Login control system by scanning QR code.</li> <li>• Real-time monitoring of device status.</li> <li>• Data backup and historical data query.</li> <li>• Alarm message informed by SMS or Email.</li> <li>• Remote debugging and fault diagnosis.</li> <li>• One key to contact customer service. Check the help manual online.</li> </ul>

### Our Advantages

1. Steady and high quality ! -cause we are a manufacturer of Lithium Battery Equipment, and we only focus on one thing that is make professional Lithium ion Battery Equipment for customer around the world.
2. Friendly use! all MRBEST Battery Equipment with teach manual and support live teaching via media.
3. Reliable factory! My factory located in Shenzhen city of China, support factory visit and video factory visit .
4. 1 year warranty plus lifetime technical support.
5. All the parts use on machine, in stock forever.
6. Powerful technical support, NOT TRADE COMPANY! We are professional on Lithium Battery Equipment, the chief engineer team have more than 20 years experience on lithium battery area, so we can easy do diagnose on machine if customer have question.
7. 100% PATIENCE to all customers! Our patience not only before consult order, also after-sale service, one by one .



**Shenzhen Meirui Zhida Technology Co., Ltd.**



+86 19866156608



tina@szmrbest.com



lithiumbatterymachine.com

104 Building 6, Second Industrial Zone, Shanmen Community, Yanluo Street, Baoan District, Shenzhen China

