

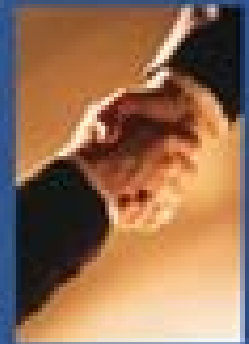
# MERAJUN

*Standard Product Line*



## About MBraun:

MBraun is the world-wide leading manufacturer of gloveboxes, gas purification systems, solvent purifiers, evaporators, isolators and custom system solutions. We have a very diverse customer base which includes but is not limited to academic, industrial, pharmaceutical and government laboratories. MBraun is capable of designing and manufacturing a wide variety of glovebox systems. Our product line ranges from single person gloveboxes for basic laboratory research to totally custom fully automated glovebox production lines. With over thirty years experience, our expertise in controlled environments allows MBraun to provide the highest quality glovebox at the most competitive price.



## Quality:

MBraun manufactures the highest quality glovebox system available in the industry. We have earned world-wide recognition through years of working together with our valued customers to ensure that our product quality exceeds expectations. MBraun is the industry leader in globally recognized quality certifications. MBraun's technical knowledge and design capabilities offer complete turnkey solutions for any challenge that our customer might face. Our precise attention to detail and vast knowledge of controlled atmosphere technology allow MBraun to provide the customer with the most reliable and highest quality glovebox systems.



World-wide Quality Certifications:  
ISO 9001:2000

## Reliability / Capability:

MBraun gloveboxes are made from the highest quality materials providing the best possible reliability, dependability and functionality. MBraun offers fully trained service technicians to install your new system or upgrade your existing system. MBraun offers a free 24 hour/ 7 days a week technical service phone line to answer any technical questions you may have at any time of the day or night.

# MB GB-2202

The MB GB-2202 acrylic bench top glovebox system is designed to meet your application needs. The MB GB-2202 provides the customer with the ability to work within a controlled atmosphere workspace which boasts the smallest foot print in the industry. It is available in three different model choices. Each model comes standard with ball valves for gas purging and exhausting, one pair butyl gloves, o-rings, easy to open clamped front window and side access door. The body of the glovebox is extremely sturdy one-piece molded design. It is not assembled with hardware, glue or clamps which greatly reduces any possible leak points. Options include electrical power feedthroughs, automated pressure regulators, stainless steel floor pans, antechamber, lighting options, low voltage feedthroughs, gas purification and internal/external gloveport covers.

# LABstar

The LABstar workstation is a great choice when you need an affordable high quality glovebox system that meets your application requirements. The LABstar is a ready to operate workstation that includes a large main antechamber, vacuum pump and Siemens PLC touch screen display. The LABstar comes standard with an automatic regenerable oxygen and moisture single purifier unit (MB 10G compact) that can attain purity levels of less than one part per million oxygen and moisture. The gas purification capacity equals 20 liters of oxygen removal and 950 grams of moisture removal. All gloveboxes regularly operate world-wide through the use of standard power supply.

# UNilab

The UNilab workstation is the next step up from the LABstar in the MBraun standard glovebox line. The UNilab is a ready to operate workstation that



includes a large main antechamber, vacuum pump and monochrome Siemens PLC touch screen controller. The UNilab comes standard with an automatic regenerable oxygen and moisture purifier unit (MB 20G) that can attain purity levels of less than one part per million oxygen and moisture. The gas purification capacity equals 30 liters of oxygen removal and 1300 grams moisture removal. The UNilab includes integrated high vacuum feedthroughs and a stainless steel encapsulated blower MB-BL-01 with frequency converter.

# LABmaster SP/DP

The LABmaster SP/DP workstation offers additional features and benefits compared to the UNilab & LABstar gloveboxes. The LABmaster is a ready to operate



modular workstation that includes a large main antechamber, vacuum pump and Siemens color PLC controller. The LABmaster offers automatic regenerable oxygen and moisture purifier units with single or double columns. The LABmaster attains purity levels of less than one part per million oxygen and moisture and has a purifier capacity equaling 30 liters oxygen removal and 1300 grams moisture removal. The LABmaster includes integrated high vacuum feedthroughs and a stainless steel encapsulated blower MB-BL-01 with frequency converter.

# GAS PURIFICATION

MBraun offers a full line of gas purification systems and high pressure gas purifier units. The MB 20G, MB 200G, MB 300G, and the MB 600G gas purification systems which all feature a Siemens PLC touch screen controller. MBraun also offers a full line of high pressure gas purifiers to connect directly to your in-house gas supply. The MB 100HP, MB 500HP and the MB 2500HP remove moisture and other contaminations from ambient air. All gas purifier systems are regenerable and attain purity levels less than one part per million oxygen and moisture. MBraun can design and manufacture a glovebox with a gas purification system that meets your requirements. Choose MBraun in your next glovebox purchase.



# SOLVENT PURIFICATION

The MBraun solvent purification system (MB-SPS) is the safest, fastest and easiest way to collect ultra pure solvents. MB-SPS offers a completely encapsulated stand alone system that purifies up to 800 liters of solvent before column replacement. The MB SPS can dispense up to 7 solvents per system (5 for Auto-SPS) and can be connected directly to your exhaust and integrated into a glovebox. The Flammable cabinet ensures lab safety. MBraun also offers the industries only fully automated solvent dispensing system.



# MB EVAP

(INTEGRATED VACUUM DEPOSITION SYSTEM)

The MB-EVAP is an affordable complete turn key research and development tool designed specifically for the depositing of sensitive material. Our system comes with a wide variety of options including multi-source thermal deposition, bell jar and square chamber options, cryogenic pump stacks, spin coaters, RF & DC sputtering, E-beam options, touch screen controllers, vacuum dryers, UV ozone cleaning, curing, rate & thickness monitoring, substrate heating, cooling & rotation along with source and substrate shutters.



Spin Coater



Deposition Chamber



Evaporator

# MB EVAP S/A

(STAND ALONE EVAPORATOR)

The MB EVAP S/A is a stand alone evaporator created to provide a cost effective solution for the research and development of depositing material. The stand alone evaporator offers 2 to 4 resistive sources, RF or DC sputtering, E-beam sources, 500mm vacuum chamber, turbo molecular or cryogenic pump stacks, rate & thickness monitoring, substrate heating & cooling, substrate rotation, source & substrate shutters. MBraun uses only the highest quality products and can build to your specific application needs.



Square Deposition Chamber



[www.mbraun-oled.com](http://www.mbraun-oled.com)

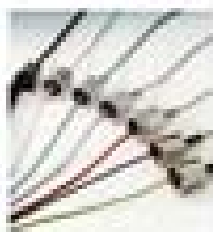
# Upgrades/Accessories



Automatic Purge Valves



Internal/External glove port cover



Electrical Feedthrough



Combi Monitor



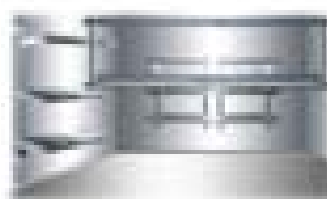
Oxygen & Moisture Analyzers



Color Touch Siemens PLC Controller



Glovebox Cooling Unit



Custom Shelving



Front Window Quick Connects



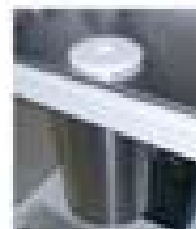
External Solvent removal system  
(Automatic also available)



Refrigerator



Recirculating ULK Chiller



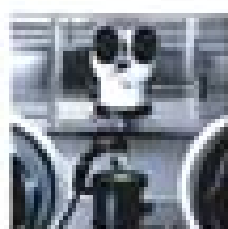
Cold Well Storage



Integrated Spin Coater



High Temperature Oven



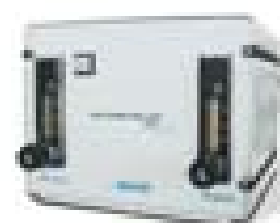
Video & Stereo Microscope



10G Compact Gas Purifier



20G Gas Purifier



Gas Sampling Unit



Variety of Glovebox Filters



Mini Antechamber  
(Bottom also available)



Square Chamber, Square L-Chamber,  
Round and Square T-Chambers

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