



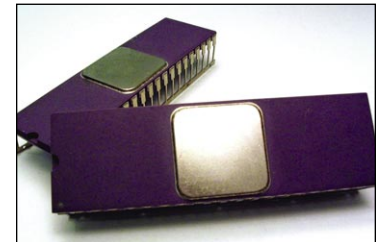
MX2000 Glovebox

MX2000 is a modular **glovebox** system that can be configured to meet your specific process requirements and productivity goals with any combination of ovens and antechambers, gas analyzers, moisture monitors, and environmental chambers and controls.

KEY FEATURES

- Wide choice of control capabilities ensures your process and budget needs are met
- A range of vacuum pumps – dry, rotary vane, turbo- molecular – to meet your antechamber or oven requirements
- Large window for excellent visibility and maintenance access
- Optional PLC for glovebox components is quickly programmed with easy-to-use software
- Sturdy, rugged construction for long equipment life and stable process platform
- Optional single or dual-column gas purification units deliver ultra-low moisture and oxygen levels
- Modular design enables economical glovebox customization for new systems, as well as easy upgrades as your process needs evolve

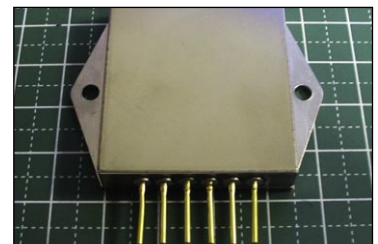
TYPICAL APPLICATIONS



Semiconductor components



Seam weld thin film



Seam sealed package

GLOVEBOX SPECIFICATIONS & OPTIONS

	Features
Antechambers and ovens	
Configuration options	End, front, rear loading
Heating	Wall heating or heated shelves
Temperature	125° C or 200° C, higher available
Vacuum pumps	Rotary vane, dry, or turbo pumps
Analysis and monitoring capabilities	
Oxygen detection range	ppm or %
Moisture detection range	ppm or dpC
Helium mixture monitoring	%% helium in nitrogen or argon
Utilities	
Electrical	208-240 VAC, single-phase, 50/60 Hz, 30 amps (40 amps with two ovens)

Specifications are subject to change without notice.

	Features
Inputs	
Environmental gas	60 psi (415 kPa)
Cooling Water (oven flange cooling)	20 - 27° C, 0.5 L/min minimum flow or optional integrated water recirculator. The installation area should be free of sudden temperature fluctuations and humidity should be ≤85% (non-condensing)
Chilled water needed for oven flange cooling for 200° oven Not required with optional water re-circulator	
Gas purification	
Single column	30 CFM (51 m3/hr)
Dual column	Moisture and/or oxygen removal
Automatic dual column	
Gas mixers	
Manual set mixers	Two and three gas versions
Others	
Soot removal systems	30 CFM (51 m3/hr) or 100 CFM (170 m3/hr)
CDRH Class 1 laser eyesafe window	Wavelength based on application
Light tower	Indicates glovebox or process status
Tool interchange	Floor access, front loading
Safety	Light curtain, interlocks

MX2000 – ANTECHAMBERS AND OVENS

Interior Size	Type	Control choices for vacuum, backfill, and temperature	Temperature
Length 355 mm (14 in) Width 195 mm (7.625 in) Height 195 mm (7.625 in)	Antechamber	- Flushing with manual set rotometer - Manual - Programmable logic control	Not applicable
Length 465 mm (18.5 in) Width 290 mm (11.5 in) Height 265 mm (10.5 in)	Antechamber	- Manual - Programmable logic control	Not applicable
Length 355 mm (14 in) Width 195 mm (7.625 in) Height 195 mm (7.625 in)	Oven-wall heat	- Manual - Programmable logic control	125° or 200° C
Length 465 mm (18.5 in) Width 290 mm (11.5 in) Height 265 mm (10.5 in)	Oven-wall heat	- Manual - Programmable logic control	200° C
Length 465 mm (18.5 in) Width 290 mm (11.5 in) Height 265 mm (10.5 in) Shelf length 455 mm (18 in)	Oven-heated shelves	- Manual - Programmable logic control	200° or 300° C

Other antechambers and ovens available



Heated wall oven

Heated wall oven



Heated shelf oven

Antechamber

WEIGHT & DIMENSIONS (STANDARD GLOVEBOX SIZES)

	MX2000 - 48 in	MX2000 - 56 in
Dimensions (W x D x H)	48 in x 39 in x 36 in (1219 mm x 965 mm x 914 mm)	56 in x 39 in x 36 in (1423 mm x 965 mm x 914 mm)
Number of glove ports	2	4
Weight	Weight varies with selected options	

Other configurations and custom sizes available



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