

Alpha Series Glovebox Welding Systems



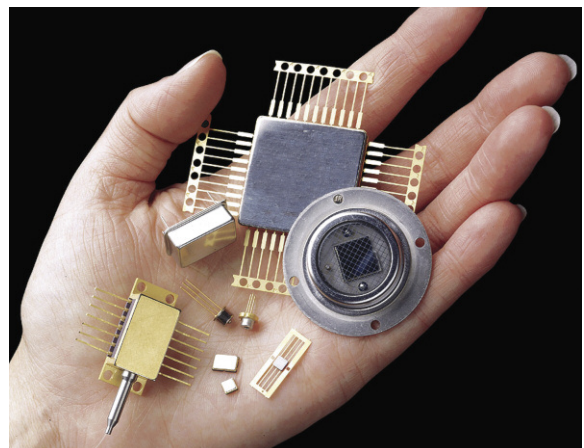
*Alpha series
with integrated
seam sealer*

The field proven Alpha Series glovebox systems provide compact and effective platforms for environmental control with excellent price to performance value. The Alpha Series is excellent for both production R&D applications. The glovebox is available in two sizes: one for projection welding applications and the other for seam sealing or general industrial use. Straight-forward controls allow the operator to easily operate oven, vacuum and inert gas backfill controls.

KEY FEATURES

- Configurations available for integrated seam sealing, projection welding, or stand-alone industry use
- Stainless steel construction with exterior epoxy finish for easy maintenance
- Ergonomically designed safety glass viewing window with interior lighting
- Two glove ports with built-in armrests
- Antechamber to transfer tools and product into enclosure
- Standard oil-free vacuum pump with vacuum oven
- Optional vacuum bakeout oven
- Easy access, clean antechamber
- Calibrated to NIST standards
- CE certification available

TYPICAL APPLICATIONS



TECHNICAL SPECIFICATIONS

Enclosure	
Viewing windows	Double laminated safety glass
Glove ports	2
Enclosure construction	1/8 in (3.2 mm) welded seam stainless steel
Pressure control	Manual set rotometer
Lighting	15-watt fluorescent (each chamber)
Input voltage	208-240 volts, 50/60 Hz, single phase
Input current	15 amps (no oven); 30 amps (with oven)
Gas input	60 psig
Front-Loading Interchange	
Type	Front-loading, flush type. Polycarbonate construction.
Size (Internal) L x W x H	11.25 in x 8 in x 8 in (28 cm x 20 cm x 20 cm)
Flush Rate	0 - 100 scfh (0 - 2.83 scmh)
Controls	Adjustable rotometer

Vacuum Bake Oven (Optional)	
Type	304 electro-polished stainless steel construction
Size (Internal) L x W x H	14 in x 7-5/8 in x 7-5/8 in (36 cm x 19 cm x 19 cm)
Backfill rate	10 scfh (.283 scmh)
Backfill pressure	4 in water column (10.16 cm water column)
Maximum temp	125° C standard, 200° C optional
Safety oven temp	Setpoint 25° C over oven temperature max. ±10° (factory set)
Vacuum	Dry pump 830 mbars (standard) Oil rotary vane pump 5 x 10-2 mbars (40 mTor) (optional) Dry pump 1.2 x 10-1 mbars (90 mTor) (optional)
Controls	Temp set control: Ambient -125° (200° C optional) Backfill: On/Off Vacuum: On/Off
Door	Black anodized door with integrated lock
Chilled water	Needed for 200° C optional oven

OPTIONAL ACCESSORIES

Gas analyzers	Oxygen, helium, moisture
Gas mixers	Manual set or automated for two and three gases
Gas purification units	Manual or automated
Water chiller	Portable water chiller (P/N 138-00019-003)

WEIGHT & DIMENSIONS

	Seam sealing enclosure	Projection welding enclosure
Dimensions (L x W x H)	35 in x 44.5 in x 20 in (89 cm x 113 cm x 37 cm)	24 in x 33.5 in x 14.5 in (61 cm x 85 cm x 37 cm)
Weight	Will vary with selected options	Will vary with selected options



Alpha series optional vacuum bakeout oven



Vacuum oven controller unit



1820 S. Myrtle Ave. • Monrovia, CA 91016 US
T: (626) 303-5676 • F: (626) 358-8048
info@amadamiyachi.com • www.amadamiyachi.com
ISO 9001 Certified Company • 24/7 Repair Service: 1-866-751-7378

AMADA MIYACHI AMERICA, INC.

AMERICAS
Amada Miyachi
America Midwest
Wixom, MI 48393
T: (248) 313-3078
midwestsales@amadamiyachi.com

Amada Miyachi do
Brasil Ltda.
Sao Paulo, Brasil
T: +55-11-4193-3607
antonio.ruiz@amadamiyachi.com

EUROPE
Amada Miyachi
Europe GmbH
Puchheim, Germany
T: +49 (0) 89 83 94 030
infode@amadamiyachi.eu

ASIA
Amada Miyachi Co., Ltd.
Noda, 278-0016 Japan
T: +81-4-7125-6177
sales@miyachi.com

Amada Miyachi
Shanghai, Co., Ltd.
Shanghai, China
T: +86-21-6448-6000
zqzhang@msc.miyachi.com

Amada Miyachi
Korea Co., Ltd.
Gyeonggi-do, Korea
T: +82-31-8015-6810
dykim@mkc.miyachi.com

Amada Miyachi
Taiwan Co., Ltd.
Taipei, Taiwan R.O.C.
T: 886-2-2397-4778
keigaku@miyachi.com

Amada Miyachi
(Thailand) Co., Ltd.
Samutprakarn, Thailand
T: +66-2751-9337-8
info@mtl.miyachi.com

Amada Miyachi
Vietnam Co., Ltd.
Ho Chi Minh City, Vietnam
T: +84-8-3771-7972

Amada Miyachi
India Pvt., Ltd.
Bangalore, Karnataka
T: 080-4092-1749 & 3549
info@miyachiindia.com

Amada Miyachi
America Mexico
El Paso, TX 79925
T: (915) 881-8765
mxsales@amadamiyachi.com

follow us on:



Specifications subject to change without notice. Copyright© 2015 Amada Miyachi America, Inc. The material contained herein cannot be reproduced or used in any other way without the express written permission of Amada Miyachi America, Inc. All rights reserved.