



# SA2200

## Dual Oven - Stand Alone

The SA2200 stand-alone ovens from AMADA WELD TECH provide the perfect solution for adding bakeout capacity independent from an atmospheric enclosure.

Manufactured to the highest standards, the ovens provide the most efficient distribution of conducted and radiant heat.

- Front loading, 200°C bakeout ovens, vacuum pumps, and a cooling water recirculator are fully integrated into a single, compact frame utilizing minimal production space
- Easy access front panel control- initiates pre-programmed "vacuum-backfill" bakeout process with the single push of a button
- Individually controlled heaters ensure uniform distribution of heat and component consistency

### KEY FEATURES

#### Front-loading 200°C heated wall ovens

- Individual wall heater temperature controller
- Programmable vacuum-backfill bakeout schedule with up to 40 process segments
- Safety mechanical over temperature protection
- 3rd party Windows XP® based software for creating vacuum bakeout schedules via RS-232 communication port (computer not included)
- Rated to achieve 20 millitorr (0.026 mbar)
- Digital display vacuum gauge

#### Model 300 vacuum pumps

- Natural lubrication design oil vacuum pumps
- Pump speed of 6.8 cfm (9.7 m3/h)
- Quick change foreline trap alumina cartridge
- Integrated mist eliminator filter

#### Built-in 12 inch deep work area:

- Allows easy parts loading and unloading in front of the ovens

#### System Options:

- Cooling water recirculator delivers a closed-loop air-cooled circulating water to cool the oven flange preventing premature vacuum gasket wear
- 27-inch deep wall or heated shelf ovens
- 2 or 3 heated shelf ovens available in polished stainless steel or hard anodized aluminum
- Dry, molecular drag or turbo vacuum pumps
- Higher temperature heated shelf ovens available upon request

## TECHNICAL SPECIFICATIONS

<b>Input power</b>	Single phase 220-240 VAC, 30 A, 50/60 Hz (NEMA L14-30 plug included)
<b>Pneumatic requirements</b>	Pneumatic backfill and door control: nitrogen/argon, 80 psi min; 1/4 in NPT anchor, 3/8 in OD polyflow tubing
<b>Ovens</b>	
<b>Material</b>	Wall: polished stainless steel only Heated shelf: hard anodized aluminum or polished stainless steel
<b>Inside dimensions (L x W x H)</b>	18 in model: 18.5 in x 11.5 in x 10.5 in (469.9 mm x 292.1 mm x 266.7 mm) 27 in model: 27.8 in x 11.5 in x 10.5 in (706.1 mm x 292.1 mm x 266.7 mm)
<b>Temperature accuracy</b>	Stainless steel heated wall or heated shelf ovens +/- 5° C of setpoint Aluminum heated shelf ovens +/- 2° C of setpoint Note: temperature taken at thermocouple location
<b>Vacuum level (standard model)</b>	20.0 mtorr (26.6 x 10 <sup>-3</sup> mbar)

Specifications subject to change without notice.

## WEIGHT & DIMENSIONS

<b>Dimensions (L x W x H)</b>	34.2 in X 29.5 in X 66.3 in (868.7 mm x 749.3 mm x 1684 mm)
<b>Weight</b>	560 lb (254.55 kg)



### AMADA WELD TECH INC.

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

#### AMERICAS

##### AMADA WELD TECH (Midwest Technical Center)

Detroit, Michigan  
T: (248) 313-3078  
midwestsales@amadaweldtech.com

##### AMADA WELD TECH DO LTDA.

São Paulo, Brasil  
T: +55-11-4193-3607  
antonio.ruiz@amadaweldtech.com

##### AMADA WELD TECH (Mexico Office)

El Paso, Texas  
T: (915) 881-8765  
mxsales@amadaweldtech.com

#### EUROPE

##### AMADA WELD TECH GmbH

Munich, Germany  
T: +49-89-839403-0  
infode@amadaweldtech.eu

#### ASIA

##### AMADA WELD TECH CO., LTD.

Isehara, Japan  
T: +81-4-7125-6177  
sales@miyachi.com

##### AMADA WELD TECH SHANGHAI CO., LTD.

Shanghai, China  
T: +86-21-6448-6000  
jwu@msc.miyachi.com

##### AMADA WELD TECH KOREA CO., LTD.

Seoul, Korea  
T: +82-31-8015-6810  
sales@amadaweldtech.co.kr

##### AMADA WELD TECH TAIWAN CO., LTD.

Taipei, Taiwan  
T: +886-2-2585-0161

##### AMADA (THAILAND) CO., LTD.

Bangkok, Thailand  
T: +66-2170-5900  
info@amada.co.th

##### AMADA VIETNAM CO., LTD.

Ha Noi, Vietnam  
T: +84-4-6261-4583

##### AMADA WELD TECH INDIA PVT., LTD.

Bangalore, India  
T: +91-80-4092-1749  
info@miyachiindia.com

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