

# AUTOBREWELDER 1000

FEATURES • SETUP & OPERATION  
COMPONENTS & ACCESSORIES • TECHNICAL DATA

## Automated Spiral Welding System

Automated Welding System for Bore, Flange and Valve Repair

The Climax AutoBoreWelder 1000 automated spiral welding system provides you with an affordable bore welding system. High quality bore welding technology is now available in a ruggedly constructed, highly portable and easily affordable package. Now you can:

- Increase both your welding and machining productivity
- Dramatically reduce repair time & costs
- Repair equipment on-site
- Maximize equipment uptime
- Extend the working life of your capital equipment

### Extremely Versatile & Easy to Operate:

The AutoBoreWelder 1000 welds in any axis; vertical, horizontal or inverted. Operation is extremely simple. The AutoBoreWelder 1000 also interfaces with most wire feeders.

### Lightweight & Portable:

The AutoBoreWelder 1000 weighs just 8 Kg (17 lb.) making it easy to transport from the shop to the field.

### One setup for Both Welding & Boring:

The Climax Bore Welder Interface Kit simplifies your boring & welding setup process. The interface kit allows you to quickly attach the AutoBoreWelder 1000 directly to the Climax BB5000, BB4000 or BB3000 Boring System mounting fixtures. This process ensures perfect alignment for both welding and machining. And one setup for both welding and boring saves time, and helps you get your job done fast.



### Weld & Bore at the Same Time:

Get your jobs done quicker. Since the AutoBoreWelder and the Climax BB5000, BB4000 & BB3000 Boring System utilize the same mounting fixtures; you can weld up one section of your job and bore out another section at the same time. Simply use an extra set of bearing mounts to line bore one set of bores while bore welding another...cuts your work time!

**Product Warranty:** Climax warrants that all new machines are free of defects in materials & workmanship for a period of one year after delivery.

Within the warranty period, Climax will, at its option, either repair or replace the defective machine.

**Product Training:** AutoBoreWelding training classes are offered by the Portable Machining Training Institute located at Climax World Headquarters in Newberg, Oregon. Contact Climax for a Training Institute Brochure.



**CLIMAX®**  
Portable Machine Tools, Inc.

### Ordering Information

**39733** AutoBoreWelder 1000  
Package 120 VAC 50/60 Hz

**40875** AutoBoreWelder 1000  
Package 230 VAC 50/60 Hz

**Includes:**

- Standard Torch Package (Swivel #1, Swivel #2)
- Conduit and contractor control
- Extensions: 1 each: 76mm (3"), 152mm (6"), 305mm (12")
- Operating manual
- Tool Kit
- Starter consumables package
- Welding gloves
- Heavy-duty carrying case

### Accessories

#### Torches

**27013** Trammel O.D. Torch Package – up to 356mm (14") dia. (generally needs two 127mm (5") radial mounts & mounting rod extender). Optional torches available to 1270mm (50") diameter

#### Torch Accessories

**36170** Adapter: Standard Torch to Trammel & Face Torch

**40876** Extended Reach Package – 457mm (18"), needs PN40877

**40877** Torch Extension Support

**35006** Mount Radial 250mm (10") radius spacer

**28208** Mount Radial 127mm (5") radius, standard spacer

**31411** Mount Radial 127mm (5") radius, side screw type spacer

### Specifications

Feed: ..... .8TPI – 3mm (.125") Axial Feed per revolution

Welding Process: ..... .MIG (GMAW)

Axial Travel: ..... .229mm (9.0")

Wire Diameter Range: ..... .0.58mm – 1.14mm (.030" – .045")

Amperage Rating: ..... .140A Continuous

Length of Standard Package Extension Arms: ..... .1 each: 76mm (3"), 152mm (6"), 305mm (12")

Maximum Reach Without Support: ..... .1016 mm (40")

Standard Package Torches Included: ..... .Swivel#1, Swivel #2

Torch Range: ..... .70mm (2.75") to 305mm (12")

Power Supply Requirements: 120 VAC 50/60Hz or 230 VAC 50/60Hz, 175 Amp Rating CV power source (power supply not included in AutoBore-Welder 1000 System package)

#### Torch Extensions

- 29038** 76mm (3") Extension
- 29039** 152mm (6") Extension
- 29040** 305mm (12") Extension
- 29065** 457mm (18") Extension

#### Other Accessories

- 30792** Welding Wire, Cast Controlled, .889mm (.035"), 33 lb Spool
- 28209** Diffusers – Pack of 5
- 29901** Liner .023/.045, 4.8M (16') length
- 36750** Small Bore Package 19 – 70mm (.75 – 2.75")
- Tips**
- 31893** .035 – Pack of 25
- 34926** .045 – Pack of 25
- 29769** #00 .035 – Pack of 5
- 34925** #00 .045 – Pack of 5
- 29770** #0 .035 – Pack of 5
- 34586** #0 .045 – Pack of 5

#### Nozzles

- 29771** Standard – Pack of 5
- 36530** #00 – Individual
- 36531** #0 – Individual

#### Mounting Hardware

- 29037** Adjustable Base
- 30773** Mounting Rod
- 30831** Mounting Rod Extender

#### Power Supplies

- 38906** Welder/inverter, ALT304, 208-575 V, 50/60 Hz auto-sensing
- 38907** Welder/inverter, 208-575 V, 50/60 Hz as above, but w/110 V Aux
- 40628** Wire Feeder Miller 12RC
- 34443** Welder Millermatic 251 with Wire Feeder

BW1-1M0504

#### Corporate Headquarters

Climax Portable Machine Tools, Inc.  
2712 E. Second Street, P.O. Box 1210  
Newberg, Oregon 97132 USA  
Worldwide Telephone: 503.538.2185  
USA Toll-Free: 800.333.8311  
Fax: 503.538.7600  
Email: info@cpmt.com

#### European Headquarters

Climax GmbH  
Willi - Bleicher - Strasse 11  
52353 Düren, Germany  
Telephone: (+49) (0) 2421.9177.0  
Fax: (+49) (0) 2421.9177.29  
Email: info.de@cpmt.com

#### Houston Sales Office

Climax Portable Machine Tools, Inc.  
16823 Highway 35  
Pearland, TX 77581 USA  
Telephone: 281.469.0429



**CLIMAX®**  
Portable Machine Tools, Inc.  
[www.cpmt.com](http://www.cpmt.com)