

AUTOBREWELDER 1000

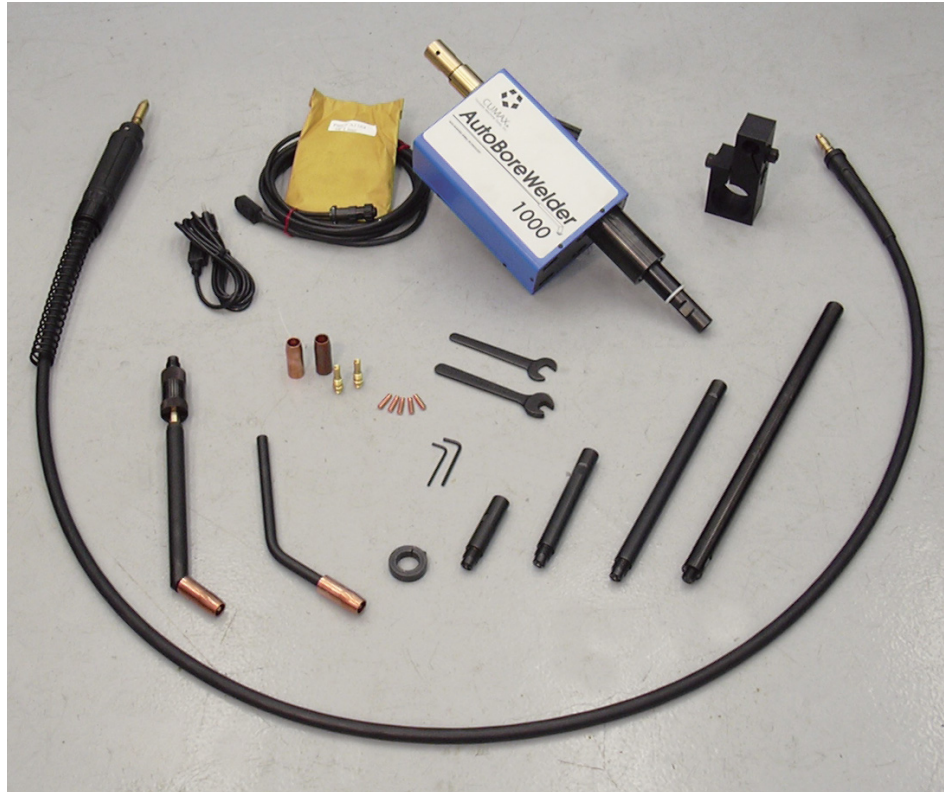
FEATURES • SETUP & OPERATION
COMPONENTS & ACCESSORIES • TECHNICAL DATA

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 17 lb (7.7 kg) 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 and 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.



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: 3 inch (76.2 mm), 6 inch (152.4 mm), 12 inch (304.8 mm)
- Operating manual
- Tool Kit
- Starter consumables package
- Welding gloves
- Heavy-duty carrying case

NOTE: power supply, ground cable and gas regulator sold separately.

Accessories

Torches

27013 Trammel O.D. Torch Package – up to 14 inch (355.6 mm) dia. (generally needs two 5 inch (127.0 mm) radial mounts & mounting rod extender). Optional torches available to 50 inches (1270.0 mm) diameter.

Torch Accessories

36170 Adapter: Standard Torch to Trammel & Face Torch

40876 Extended Reach Package – 18 inches (457.2 mm), needs PN40877

40877 Torch Extension Support

35006 Mount Radial 10 inch (254.0 mm) radius spacer

28208 Mount Radial 5 inch (127.0 mm) radius, standard spacer

31411 Mount Radial 5 inch (127.0 mm) radius, side screw type spacer

BW1-1.5M1107

Specifications

Feed:8TPI – 0.125 inch (3.3 mm) Axial Feed per revolution

Welding Process:MIG (GMAW)

Axial Travel:9.0 inch (228.6 mm)

Wire Diameter Range:0.030 - 0.045 inch (0.76 - 1.14 mm)

Amperage Rating:140 A Continuous

Length of Standard Package Extension Arms:1 each: 3 inch (76.2 mm), 6 inch (153.4 mm), 12 inch 304.8 mm)

Maximum Reach Without Support:40 inches (101.6 mm)

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

Torch Range:2.75 to 12 inches (69.9 to 304.8 mm)

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

Torch Extensions

29038 3 inch (76.2 mm) Extension

29039 6 inch (152.4 mm) Extension

29040 12 inch (304.8 mm) Extension

29065 18 inch (457.2 mm) Extension

Other Accessories

30792 Welding Wire, Cast Controlled, 0.035 inch (0.889 mm), 33 lb (15.0 kg) Spool

28209 Diffusers – Pack of 5

29901 Liner .023/.045, 16 foot (4.6 m) length

36750 Small Bore Package 0.75 - 2.75 inches (19.1 - 69.9 mm)

Tips

31893 0.035 inch (0.89 mm) – Pack of 25

34926 0.045 inch (1.14 mm) – Pack of 25

29769 #00 0.035 inch (0.89 mm) – Pack of 5

34925 #00 0.045 inch (1.14 mm) – Pack of 5

29770 #0 0.035 inch (0.89 mm) – Pack of 5

34586 #0 0.045 inch (1.14 mm) – 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

42707 Power Supply, 208-575V, 50/60 Hz

41615 Power Supply, 190-630V, 50/60 Hz as above, but with Aux 120V outlet

40628 Wire Feeder Miller 12RC

34443 Welder Millermatic 251 with Wire Feeder

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