

**Climax AutoBoreWelding Systems provide you with higher quality welds, as well as substantial time & cost savings over hand welding methods.**

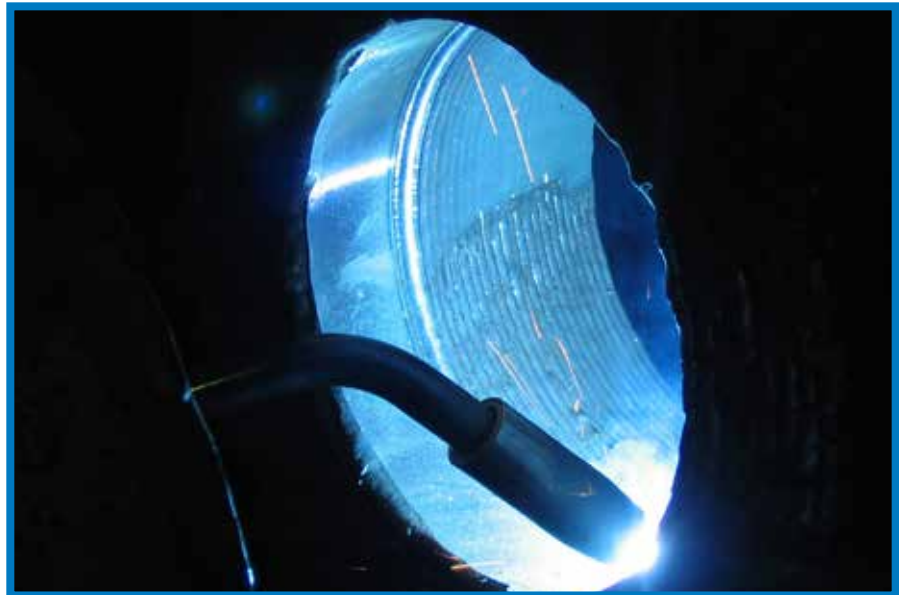
Our automated welding systems are designed to attach directly to several of Climax' boring machine mounting fixtures, allowing a single setup for both welding and machining operations. These automated welders offer high-quality, affordable welding performance for bore, flange and valve repair.

#### Improved Safety & Productivity

- Remote pendant controls minimize welder's exposure to harmful fumes, heat, and flash.
- Eliminates tedious, repetitive motion leading to welder fatigue and injury.
- Welds in areas that are difficult or impossible to reach.
- Welder can be freed up to work on other jobs while automated welding is taking place, significantly improving productivity.
- Welds in bores that are too small to weld by hand, and are too large to weld with good consistency in a timely manner.
- Cut job time in half by welding one set of bores while you're machining the other.

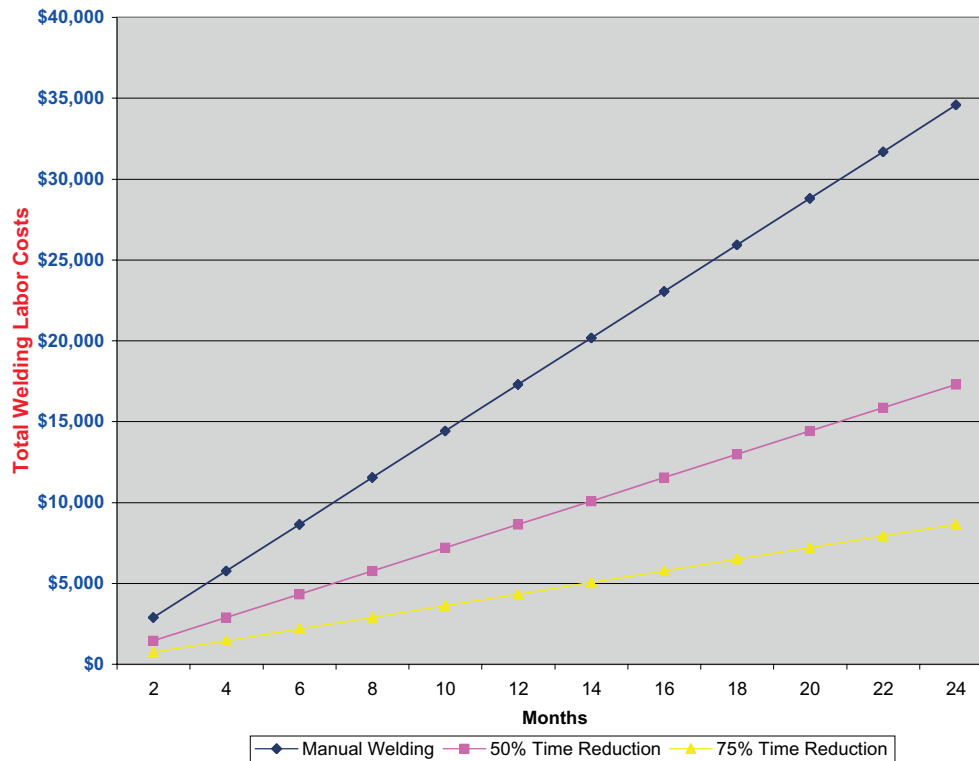
#### Versatile, Efficient, Repeatable

- Weld in horizontal or vertical axis, more consistently than hand welding.
- Operates at a lower voltage with no starts & stops, maintaining a very consistent arc length.
- Arc time is increased 100% vs. hand welding methods.
- Uses far less consumables vs. hand welding.
- Smooth, consistent welds reduce machining time by up to 50% - which also reduces wear & tear on your tooling, boring equipment, and consumables.
- Automatic out-of-round correction capability (pie mode and carriage return) means there's no pre-boring needed to manually fill a void or to oversize the bore to make it round).
- Interfaces with Climax BB3000, BB4500 and BB5000 Boring Machines (one set-up operation).



# TYPICAL COST SAVINGS

Typical cost savings when using a Climax AutoBoreWelder vs. traditional hand welding techniques:



Month	Manual Welding Cumulative Costs	Your Savings with a 50% Reduction in Welding Time	Your Savings with a 75% Reduction in Welding Time
2	\$ 2,880	\$ 1,440	\$ 720
4	\$ 5,760	\$ 2,880	\$ 1,440
6	\$ 8,640	\$ 4,320	\$ 2,160
8	\$11,520	\$ 5,760	\$ 2,880
10	\$14,400	\$ 7,200	\$ 3,600
12	\$17,280	\$ 8,640	\$ 4,320
14	\$20,160	\$10,080	\$ 5,040
16	\$23,040	\$11,520	\$ 5,760
18	\$25,920	\$12,960	\$ 6,480
20	\$28,800	\$14,400	\$ 7,200
22	\$31,680	\$15,840	\$ 7,920
24	\$34,560	\$17,280	\$ 8,640

(assumes eight hours of welding per week @ \$45/hr)

# Training at the Global Learning Center

Climax has been teaching the fundamentals and fine points of portable machine tool operation for practically as long as we've been inventing and building the tools.

At the Climax Global Learning Center situated in our corporate headquarters near Portland, Oregon, we provide training for machine tool operators on portable machine tool safety, and machine setup and operation. Trainees also receive technical tips and tools to improve operational efficiencies, with the vast majority of every program devoted to hands-on activities and skill development.



The Climax instructional team includes specialists in shipbuilding, power generation, civil engineering, bridge re-building, petrochemical and other industries.

Whether it's a regularly scheduled course at the Global Learning Center, or custom curriculum conducted at your facility, your machinists will benefit from courses developed by some of the most respected authorities in the business.

Call us today to register for a regularly scheduled class, or talk to us about how we can customize a training program for your specialized application.



# CLIMAX GLOBAL LOCATIONS



## Call Climax for:

### On-site Training


Need some refresher courses in setting up and operating your Climax machine tool?

### Special Projects

Climax has been solving complicated on-site machining and welding problems for our customers since 1964.

### Rentals

With 14 worldwide rental depot locations, you are never far away from a Climax portable machine tool.

Connect with us:  

### World Headquarters

2712 E. Second Street  
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### European Headquarters

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