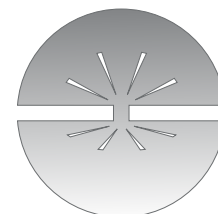




## WELDING SOLUTIONS

AWE12i & AWE8i Welding Units



welding

## AUTOMATION IN WELDING

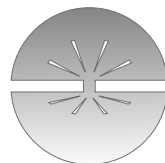
Automatic Welding Integration Unit with your AIM 2D & 3D Machines.

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# ACCUWELD Automatic Butt Welding Module

**AWE-8/AWE-8i**  
**AWE-12/AWE-12i**



## AWE Series Butt welders for 2D and 3D machines

Model	Power	WireRange	Size	Electrical	Weight	Notes
AWE8i	40 KVA	2-8 mm	24" X 48" X 68"	460V, 3ph*	650 lbs	Inverter
AWE12i	100 KVA	2-12 mm	24" X 48" X 68"	460V, 3ph*	740 lbs	Inverter
AWE8	60 KVA	2-8 mm	24" X 48" X 68"	460V, 2ph*	790 lbs	AC
AWE12	150 KVA	2-12 mm	24" X 48" X 68"	460V, 2ph*	930 lbs	AC

\*for 380V/400V add -E to the model number

## Features

- Controlled by AIM Inc's SmartEditor® Software and servo controller
- Fully automatic welding control with multiple schedules capability
- Welding schedules saved along with part files, almost no limitations
- Heavy duty/high precision guides provide accurate and repeatable alignment
- Pivoting weld head
- Adjustable clamp & tip force
- Adjustable Electromagnet assist for larger shapes

## Options

- ATE1 : Frame transport unit (servo)
- AGI Argon Gas for Stainless Welding
- Consumables: weld inserts made with Elkonite®  
(Copper Tungsten / Tungsten & Molybdenum)

## Benefits

- Welding Integration to complete rings and frames
- Reduce production costs by eliminating additional parts handling
- Consistent part quality
- Power savings with the 3-phase mid-frequency DC models (balanced load)
- Flexible operation: automatic with bender or manual without stopping machine operation.

## Welding Electrode adjustments

New configuration allows adjustment on the head not on the electrodes. There is a dedicated adjustment that allows the heads to individually rotate 20 degrees in either direction.

## Dual Mode operation

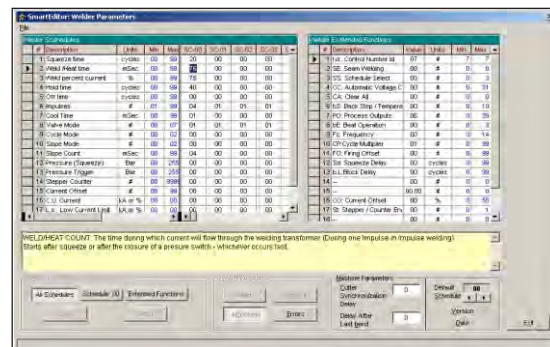
The Accuweld has two modes of operation:

**Online mode** is automated to work in conjunction with the 2D or 3D benders. This mode will automate the operation of capturing the formed part off of the bender, weld and eject the part without human intervention.

## Offline mode is configured to work

independently from the bender via an included foot pedal. When the welder is rotated 180 degrees from the bender, the welder will activate only from the user operated foot pedal.

This mode allows the bender to form other parts, utilizing both units at the same time.



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