

### Power. Precision. Endurance.

Built for heavy-duty performance, the AutonoWeld™ Macro Weld Head Series takes on thick-wall pipe and mid- to large-diameter tubing with the precision of orbital GTAW (TIG) welding. These closed-style fusion heads deliver full 360° weld capability, water-cooled reliability, and contamination-free consistency, whether in the shop or the field.

From the compact versatility of the **S150** to the heavy-duty reach of the **S650**, the lineup is engineered to bring repeatability, control, and reliability to every pass. Compatible with **AW-215 orbital power supplies**, these heads are ready for the real work, whether in pre-fab shops or field work.



#### Industries:

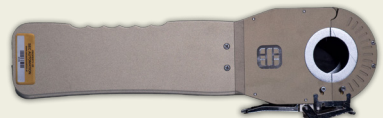
- Pharma & Biotech
- Semiconductor & Electronics
- Food & Beverage
- Aerospace & Defense
- Nuclear & Energy
- Chemical & Petrochemical
- Industrial Fabrication

**S-450** Closed-Style Fusion Head

**S-350** Closed-Style Fusion Head

**S-150** Closed-Style Fusion Head

**S-650** Closed-Style Fusion Head



# AutonoWeld™ Orbital Macro Weld Head Series

Quick Specs	S-150	S-350	S-450	S-650
Tube / Pipe OD Range	0.25" - 1.5"	0.39" - 3"	0.75" - 4.5"	1.5"- 6.625"
Head Weight	7.7 lb	11 lb	14.3 lb	20.9 lb
Rotation Speed	0.16 - 2.8 RPM	0.10 - 1.8 RPM		
Cable Length	26.2 ft			
Cooling Method	Water-cooled	Water cooled (closed circuit)	Water-cooled (high-flow)	

\*compatible with the AutonoWeldAW-215PS power supply

OD Range/ Dimensions						
Model No.	Tube / Pipe OD Range	Wall Thickness Range	Tungsten Electrode Diameter	Length	Width	Height
S-150	0.25" - 1.5"	0.020 - 0.098"	0.078"	15"	4.72"	1.89"
S-350	0.39" - 3"	0.020 - 0.118"	0.094"	17.26"	6.79"	2.05"
S-450	0.75" - 4.5"	0.020 - 0.118"	0.094"	20.2"	8.9"	1.9"
S-650	1.5"-6.625"	0.020 - 0.118"	0.094"	25.6"	13"	6.4"

## Standard Features:

### Weld Process:

GTAW (TIG)

### Compatibility:

AW-215 Orbital Power Supply

### Cooling:

Standard quick-connect water lines with integrated flow monitoring

### Operation:

0-360° all-position orbital welding

### Shield Gas:

Argon (99.99% purity recommended)

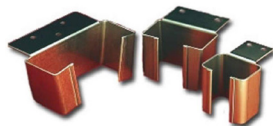
### Safety Systems:

Water flow, argon flow, and over-temperature sensors

## Optional Accessories





Clamp Insert





Bench Mount Brackets



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