

EZ ORBITAL 517



ORBITAL WELD HEADS FOR FUSION WELDING OF TUBE

Magnatech introduces an innovative solution to orbital tube welding with its modular EZ Orbital welding systems. The model 517 is a tube welding controller that integrates the operation of a standard, commercial GTAW power source with the weld head. The new line of weld heads, the 1000 series, with digital control of rotation speed regulation, ensuring perfect repeatability.

- Affordable orbital solution
- Easy to operate
- Rugged design

EZ ORBITAL 517

FEATURES

Welding controller

- Full color, touch screen operation
- Intuitive symbol-based operation
- Real time head temperature monitoring and over temperature alert
- Visual display of welding cycle
- Simple % adjustment of preset welding parameters
- Diagnostic fault detection system (gas purge, weld head jam, etc)
- Software updates and upgrades available by internet download via USB interface
- Compact and lightweight controller built into waterproof rugged case

Welding heads

- Digital rotation motor ensures 100% repeatable speed regulation
- Easy access collet clamp adjustment – optimal grip without deformation
- Flip top viewing port – accurate pre-weld fit up inspection
- Molded silicone switch panel on weld head handle – eliminates need for remote pendant
- Indestructible SS hinge provides rigidity for positive tube alignment
- Collets for all tube sizes/fitting geometries
- Internal water cooling standard – simply connect to a commercial water recirculator for high duty cycle applications



SPECIFICATIONS

Length x width x height	330 x 420 x 170 mm (13 x 16.5 x 6.8")	
Weight	6 kg (13 lbs)	
Power supply capability	Consult factory for suitable models	
Input power requirements	90/240 VAC, 1 Ø, 0.5 A fuse, 50/60 Hz	
Unites of measurement	Metric and inch (selectable)	
Operating temperature	-18 to 50° C (0 to 120° F)	
Storage temperature	-25 to 60° C (-20 to 140° F)	
Humidity	To 98% RH (non-condensing)	
Power source	Conventional GTAW	
Weldhead	1030	1040
Pipe (tube) size	9.5 - 76 mm (0.375/3.0")	21.7 - 101.6 mm (0.5/4.0")

MAGNATECH

AUTOMATIC PIPE WELDING SOLUTIONS

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