

Model 4-500

BENCH-TOP WELD HEAD



THE WIDEST RANGE OF ORBITAL WELDING EQUIPMENT IN THE WORLD

The Model 4-500 is a fully integrated orbital tube weld head with an available component support and position tooling plate. It is designed for high production bench welding of tubing, fittings, valves and other small component assemblies. The Model 4-500 is ideally suited for sub-assembly of components for semiconductor, aerospace, biopharmaceutical and all other industries requiring high-integrity, high-purity welded assemblies.

Weld head tooling consists of a variety of clamp assemblies. Some of which are universal, accommodating numerous fitting types, while other tooling is specific to its application.

INDUSTRY

- Semiconductor
- Bio and Pharmaceutical
- Aerospace
- Food and Dairy

FEATURES

- All stainless steel, ball-bearing gear-drive
- Ceramic heat shields protect housing from heat and allow high duty cycle operation
- Water-cooled base unit, tooling and rotor facilitates high duty cycles and increases weld head longevity
- A torque-limited clutch protects the drive-train from damage



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Visit arcmachines.com for more information.

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AN ESAB® BRAND

QUICK SPECS	
Rotation Speed	1.00 - 20.00 RPM
Tungsten Size	0.040" (1 mm)
Tooling Plate	12" x 12" (305 mm x 305 mm)
Tube Size Range	0.093" - 0.500" (2.4 mm x 12.7 mm)
Max. Weld Current	75 A
Cable Length	20 ft. (6.1 m)

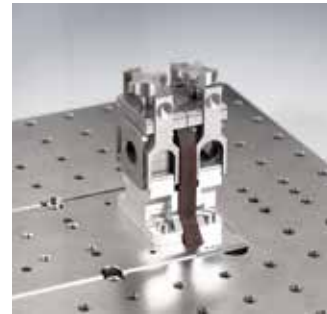
* A variety of tooling available.

* Compatible with all Model 9-500/9-500C tooling and all AMI Power Supplies.

TOOLING



The available fixturing/positioning plate is provided with an assortment of supports and fixture blocks. This tooling facilitates rapid and repeatable alignment and positioning of multiple welded components.



Model 4-500 fitted with heavy-duty tooling for increased component support and automatic radial positioning of mini-fittings.



Model 4-500 without tooling plate.



Model 4-500 fitted with Model 9-500TCA (narrow) tooling.



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