

MODEL 4-500

BENCH-TOP WELD HEAD

AMI
ARC MACHINES, INC.®

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.

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.



QUICK SPECS

Rotation Speed

1.00 – 20.00 RPM

Tungsten Size

0.040" (1 mm)

Tooling Plate

12"x12" (305 x 305 mm)

Tube Size Range

0.093" - 0.500" (2,4 - 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.



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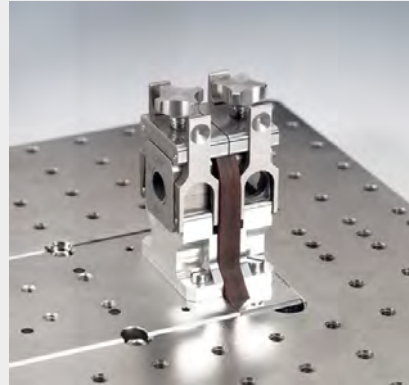
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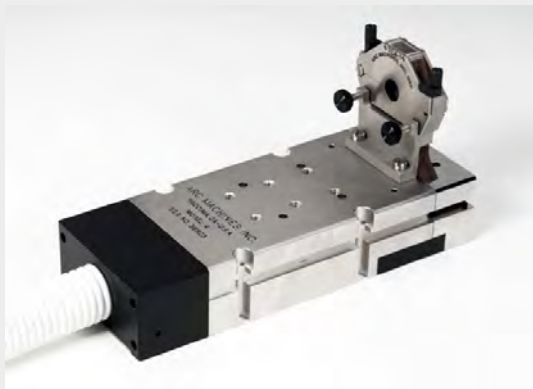
TOOLING



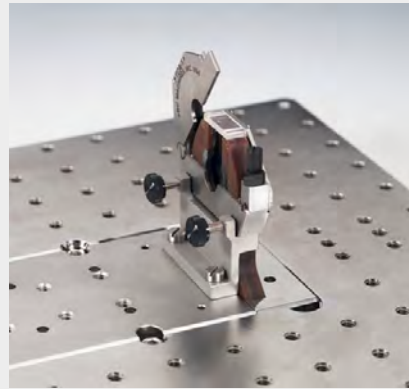
The available fixturing/positioning plate is provided with an assortment of supports and fixture blocks. This tooling facilitates rapid and repeatable alignment and positioning of multiple welded components.



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.

*Leaders & Innovators in
Automated Orbital Welding*

*For further information please visit our website
or contact us at 1-818-896-9556*



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