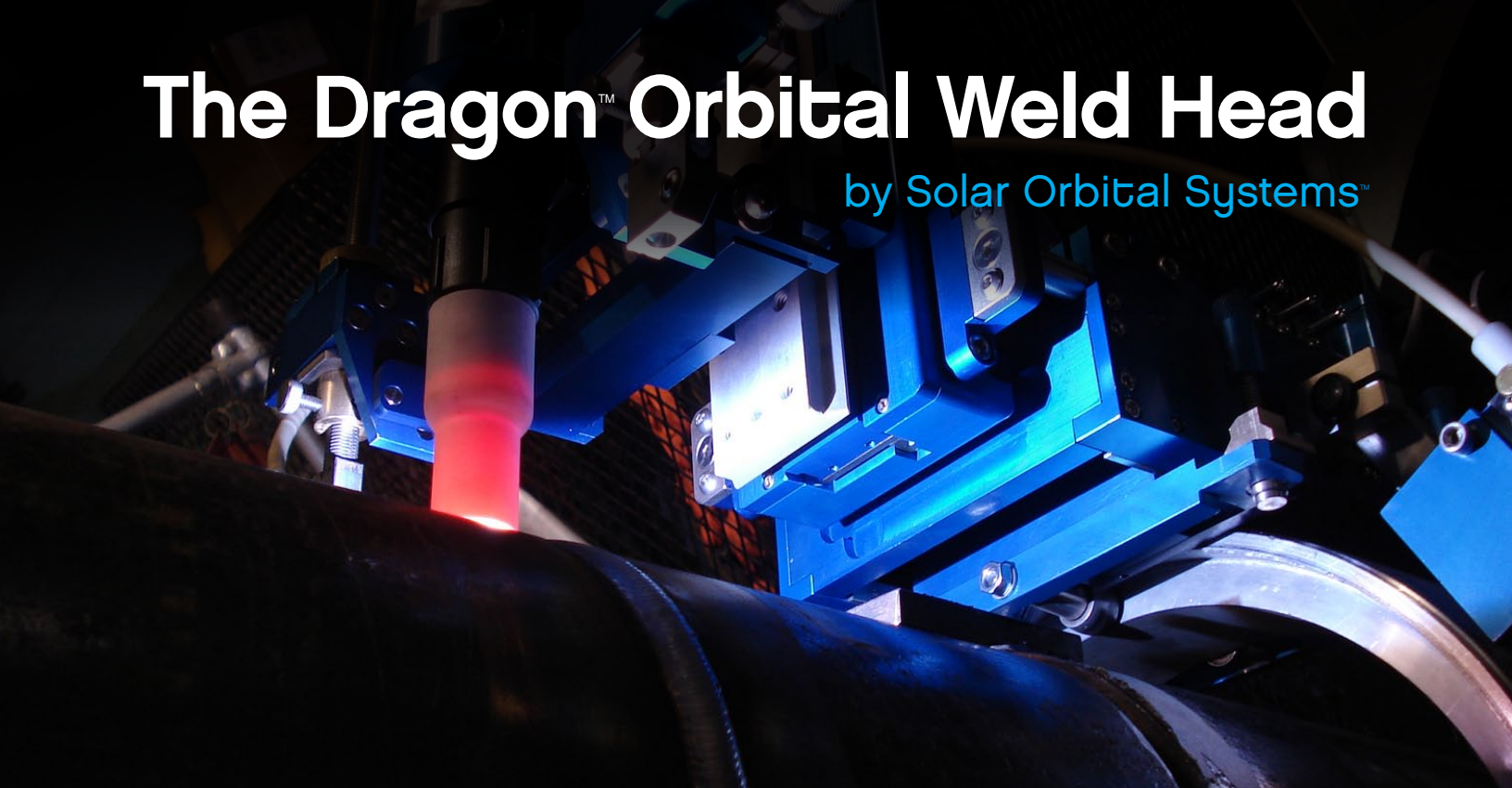


The Dragon™ Orbital Weld Head

by Solar Orbital Systems™



Solar Orbital Systems™ has designed a flexible and expandable GTAW orbital welding system that allows customers to purchase equipment that is easy to use, reliable and versatile.

Simple and intuitive equipment means less training time and quicker qualification. Leave your e-tech home to work on more important things!

The Dragon Weld Head is adaptable. The Dragon Weld Head is compatible with other systems.

The Solar System Platform allows you to use other weld heads.

Separate Weld Head Controller disconnects from the power supply, allowing for safer transport and easier replacement.

Versatile Power Supply offers simple, easy conversion from auto to manual mode (tig or stick).

Standardized track system means Solar Orbital weld heads often mount to other systems.

Durable for work, durable for travel. Solar System equipment and packaging is designed to survive the road and cost you less.

Cost advantage means no more outrageous pricing and delivery times; spare parts are immediately available. (including narrow groove components).

Off-the-shelf and "common parts" design makes repair and replacement a snap assuring minimal downtime.

No-Hassle Solar Orbital equipment is backed by a "next day service and parts guarantee".

The SOS Control Pendant is lightweight and user-friendly.

Reliable 700 amp modular power sources and water coolers are always available internationally.



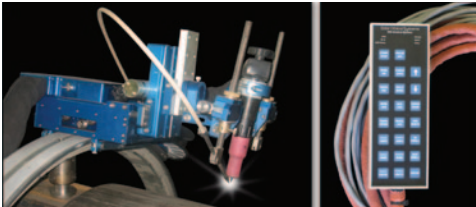
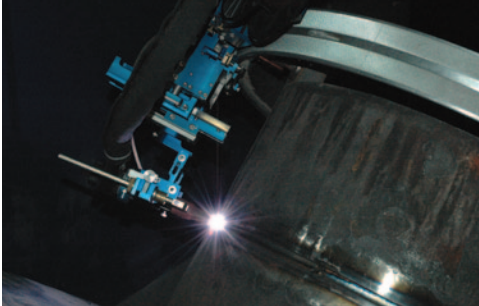
Solar Orbital Systems™
welding equipment that makes sense



815-795-6818
www.SolarOrbitalSystems.com

Solar Orbital Systems™

welding equipment that makes sense



The Dragon Weldhead

Pendant



Power Source



Controller



J-Box

Standard Features

- 500 Amp Liquid Cooled Torch
- AVC (Arc Voltage Control)
- Torch Oscillation
- Welds clockwise & counterclockwise
- Front end mechanical extensions
- Dovetail slide adds additional AVC adjustment

Specifications

- Current Rating: 500 Amps @ 100% Duty Cycle
- Maximum Travel Speed: 20 IPM
- Maximum Wire Speed: 200 IPM
- Adjustable Oscillation Width: up to 1 Inch
- OD Pipe sizes: 2" and up
- ID welding capable
- Flat & curved surface welding
- Wire feeds from either side of torch (dual wire feed capable)
- Pipe wall thickness 0.125" – 6" (w/appropriate accessories)
- Available with standard 500 Amp TIG or optional narrow groove TIG Torch (Use with 4" or 8" wire spool)

Options

- Extension Cables: 50 ft (up to 3 extensions can be used depending on application)
- Low Profile AVC attachments
- Narrow groove torch
- ID Skate w/adaptor kit
- Oscillator interchange kit
- Video kits
- J-Box interface converters
- Special Gas Cup

Physical Characteristics

- Weight with cables: 55 lbs
- Weldhead cable length: 35'
- Filler wire size range: 0.030" – 0.045"
- AVC stroke (electrical): 6"
- AVC stroke (mechanical): Add additional stroke with 6" Dove Tail
- OSC cross stroke (electrical): 1.8"
- OSC stroke (mechanical): 6"



Solar Orbital Systems™
welding equipment that makes sense



815-795-6818
www.SolarOrbitalSystems.com