



TUBEMASTER 514E

PROGRAMMABLE POWER SOURCE FOR ORBITAL WELD HEADS

The model 514 brings the benefits of true digital technology to the orbital welding customer: unparalleled accuracy, repeatability, and reliability. Digital technology forever eliminates the need for periodic weld head calibration – rotation speed remains accurate regardless of head wear, and heads can be interchanged without time-consuming calibration. Weld parameters are actively monitored for QA/QC reporting. Now equipped with an intuitive, color touch screen interface, both programming and every day usage is faster and simpler.

- Unique autoprogramming
- Rugged design
- Operates fusion and wire feed heads

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FEATURES

- 200 amp output @ 100% duty cycle
- Up to 100 levels per program
- Stores 100 weld programs internally
- Wire feed capability for wire feed heads
- AutoProgram automatically generates procedures
- Programmable “override limits” provide supervisory control
- Weld parameter monitoring/reporting for QA/QC purpose
- Transfer programs and data to PCs using USB flash drive
- Offline programming with USB program transfer
- AutoTack automatically generates tack weld programs
- Large, color LCD touch screen
- Head-mounted membrane switches eliminate remote pendant
- Help files provide immediate information/assistance
- Password protection of key functions
- Built-in printer allows program/QC report printout
- Detachable coolant recirculator with integral flow switch protection
- Operator immediately alerted to entry errors, with prompts



SPECIFICATIONS

Application	For use with many weld head models (GTAW process)
Functions controlled	Welding current output/current pulsing, weld head rotation, Weld head wire feed speed
Output power	0 – 200 amps
Input power requirements (rated load)	115/230 VAC, 1 Ø, 4.0 KVA, 50/60 Hz
Internal memory capacity	100 weld programs
Units of measurement	Metric and Inch (selectable)
Program transfer	USB flash drive
Language (selection)	English, Spanish, German, French, others
Settable override limits	Individually scalable overrides on each function 0 – 100%
Maximum open circuit voltage	80 V
Water and gas flow switches	Standard. Prevent damage to equipment and workpiece
Data recording/printout	Operator ID, weld ID number, program number, material, OD, wall thickness, date, time, weld head model, project, drawing, programmed parameters, etc.
QC-parameter monitoring/ recording/printout	Monitors and records any actual deviations from preprogrammed limits
Arc start type	HF
Operating/storage temperature	Operating: -18 to 50°C (0 to 120°F) Storage: -25 to 60°C (-20 to 140°F)
Humidity	To 98% RH (non-condensing)

MAGNATECH

AUTOMATIC PIPE WELDING SOLUTIONS

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