



WELD HEADS

805 810

820 830

840 860

ORBITAL WELD HEADS FOR FUSION WELDING OF TUBES

Magnatech introduces a new line of easy-to-operate tools for autogenous tube welding. Six models with overlapping ranges cover tubes from 3 – 152 mm (0,125" - 6") O.D. Magnatech's 800 series heads make tube-to-tube and tube-to-fitting welds in less time with precision and repeatability.

Collets are available for any tube and fitting size. 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 recalibration.

- Collets never need replacement
- Head-mounted control switches
- Extended Collets provide precise alignment

WELD HEADS 805 810 820 830 840 860

FEATURES

- Collets for all tube sizes/fitting geometries
- Waterproof carry case standard
- Bench mount bracket
- Internal weld head cooling standard
- Convenient flip-up view port allows final inspection before welding
- Encoder motors provide precise, repeatable speed regulation
- "Jam" detection/protection. If rotation stops for any reason, it is instantly sensed and power to the motor is immediately interrupted. No more damaged motors or drive trains
- Standard 7,6 m (25') hose pack length
- New rotation drive design tolerant of metal debris
- "Home" position switch automatically readies the head for removal following weld-completion, and never requires adjustment
- Simple assembly makes field service straightforward



SPECIFICATIONS

| | |
|----------------------------|---|
| Application | Orbital autogenous GTAW welding of tube-to-tube, tube-to-fitting |
| Cable length | 7.6 m (25') standard*. Extension cables available *805: 4,6m (15") standard |
| Power supply compatibility | Tubemaster models, Pipemaster models |

| Weld head | 805 | 810 | 820 | 830 | 840 | 860 |
|---------------------|---------------------------|--------------------------|-------------------------|--------------------------|---------------------------|--------------------------|
| RPM Range | 1-20.0 | 0.6-9.5 | 0.3-5.0 | 0.1-2.5 | 0.1-2.3 | 0.1-2.0 |
| Tube Diameter Range | 3 - 16 mm (.125-.625") | 3 - 25 mm (.125-1.0") | 6 - 51 mm (.25-2.0") | 9 - 75 mm (.375-3.0") | 12 - 102 mm (0.5-4.0") | 50 - 152.4 mm (2"-6") |



Morgan Industrial Technology
1702 West Boat St., Ozark, MO 65721
(417) 485-4575
sales@morganitech.com
www.morganitech.com