

PRO-LINE

QX800

SERIES



THE
TUBE
WELDING
REVOLUTION

THE QX WAY TO WELD TUBE

Magnatech introduces an entirely new line of easy-to-operate tools for autogenous tube welding. Six models with overlapping ranges cover tubes from .0125" to 6.625" (3-168mm) O.D. Magnatech's QX800 series heads make tube-to-tube and tube-to-fitting welds in less time with precision and repeatability. The double-clamping design simplifies work piece fit-up and eliminates tack welding in many cases. Our Quick Exchange Collets are available for any tube and fitting size.

Quick Exchange Collets
30% Weight Reduction
Enhanced Weld Head Cooling



NEXT LEVEL FEATURES

Waterproof Carry Case	Standard
Bench Mount Holder	Standard
Internal Weld Head Cooling	Built In
25ft (8m) Cable Length	Built In
Light Weight Design	Over 30% Weight Reduction
Tool Free Operation	With Quick Release Collets
Collets for all Tube Sizes	Including Fittings
Convenient Flip-Top View Port	Inspection Before Welding
Encoder Motor	Means No More Calibration
Chain Driven	Design Tolerates Metal Debris
Simple Assembly	Makes Field Service Easy
Jam Detection	If Rotation Stops, So Does Welding
Automatic Home Position	Readies the Head for the Next Weld



ACCESSORY OPTIONS

Extension Cables	Weld Up to 75ft (23m) Away
Pre-Ground Tungsten	Cut, Ground, Ready to Use
Offset Tungsten Mount	Adjustable Electrode Alignment
I.D. Welding Tungsten Mount	Inverts Electrode for I.D. Weld
Angled Tungsten Mount	Angles Electrode for Fillet Welds
Ferrule Collets	Tube to Ferrule Alignment
Elbow Collets	Used with Short Tangent Elbows
Pulled Tee Gas Shields	Allows for Short Tangent Tee Welds

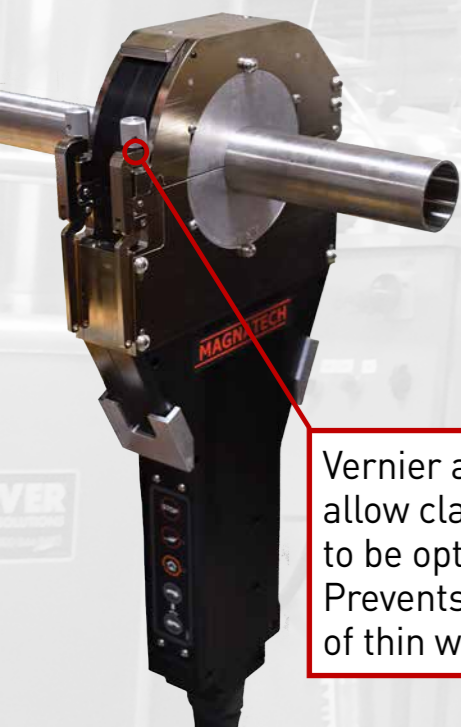


PRODUCT SPECIFICATIONS

Application	Orbital Autogenous GTAW Welding of Tube-to-Tube and Tube-to-Fitting
Cable Length	25 ft Standard (7.6m) Extension Cables Available
Power Supply	Tubemaster Models, Pipemaster Models

DIMENSIONS/WEIGHTS

	805	810	820	830	840	860
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 (.5-4.0")	50-152.4mm (2-6.0")
RPM Range	1.8 - 2.0	0.6 - 9.5	0.3 - 5.0	0.1 - 2.5	0.1 - 2.3	0.1 - 2.0
Weight	2.5 kgs (5.5 lbs.)	3.2 kgs (7 lbs.)	5.0 kgs (11 lbs.)	6.4 kgs (14 lbs.)	8.2 kgs (18 lbs.)	10.0 kgs (23 lbs.)
"A"	91 mm (3.6")	124 mm (4.90")	175 mm (6.89")	202 mm (7.96")	231 mm (9.10")	297 mm (11.71")
"B"	36 mm (1.4")	62 mm (2.45")	83 mm (3.26")	96 mm (3.79")	110 mm (4.31")	144 mm (5.65")
"C"	31.3 mm (1.3")	42 mm (1.64")	43 mm (1.70")	43 mm (1.70")	43 mm (1.70")	43 mm (1.70")
"D"¹	15 mm (0.6")	19.5 mm (.77")	19.5 mm (.77")	19.5 mm (.77")	19.5 mm (.77")	19 mm (.75")



Indestructible Nickel Reinforced Hinge Provides Rigidity For Positive Tube Alignment.

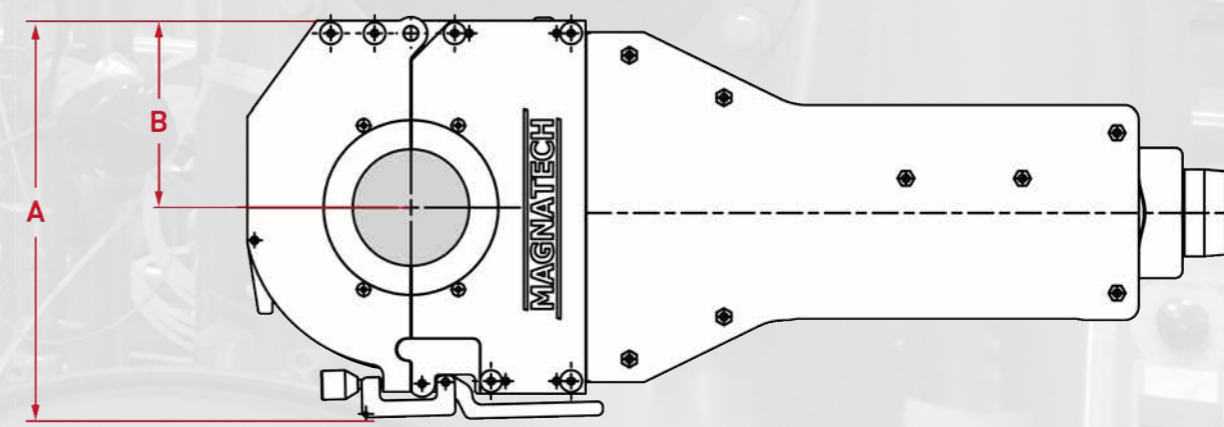
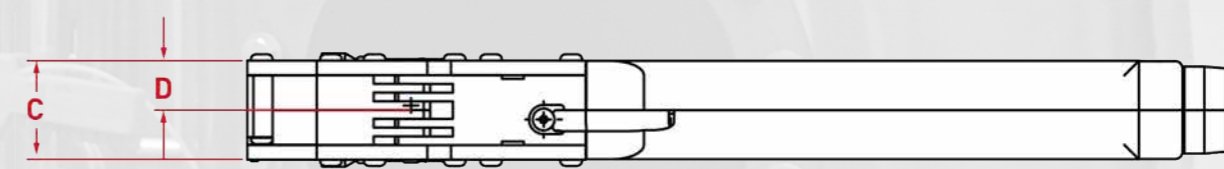
Vernier adjustments allow clamping force to be optimally set. Prevents deformation of thin wall tube.



Molded Silicone Switch Panel Eliminates Need for Separate Remote Pendant.



¹ Distance from nearest flush collet face to tungsten centerline. (Tungsten offset from center)



QX APPLICATIONS

- | | |
|---------------------|-----------------------|
| High Purity | Medical Biotechnology |
| Pharmaceutical | Food Processing |
| Aerospace | Brewery |
| Sanitary (Hygienic) | Instrumentation |

MAGNATECH

Always Moving Forward