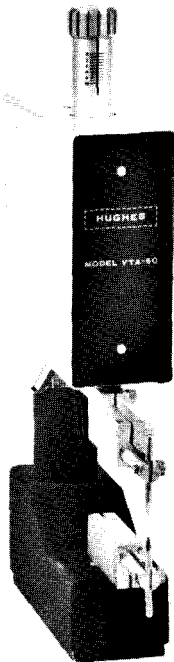


WELDING HEADS

Model VTA-60

Precision Weld Head



The Model VTA-60 is Hughes basic precision welding head. Originally designed for assembling high reliability electronic circuit modules, this unit's precision construction and flexibility have won places for it throughout the industry. Note that the VTA-60 serves as the basic model from which other Hughes heads have evolved. VTA-60 weld heads may at any time convert to the special-purpose configurations represented by models such as the VTA-61, 64, 66, etc. This head is also suitable for vertical, opposed or offset electrode welding using AC, DC, or capacitor discharge welding power supplies. Conversion is simple and easily reversible. Versatility and adaptability are truly the keynote of this award winning electro-mechanical design.

SPECIFICATIONS • Model VTA-60

Dimensions	11" high, 1¾" wide, 7" deep
Weight	5 lbs. net, 10 lbs. shipping
Throat Depth	5¼" (may be extended to 6")
Vertical Work Opening	1¾"
Electrode Force Range	
Standard — Specify VTA-60	8 oz. to 20 lbs.
Optional — Specify VTA-60-MA	8 oz. to 10 lbs.
Optional — Specify VTA-60-MB	8 oz. to 30 lbs.
Maximum Weld Energy Rating	150 watt seconds
Equipment Included	One pair ¼" diameter electrodes of RWMA-2 alloy, indexing electrode holders, integral stroke stops, two No. 4 weld cables 12" long

Model VTA-61

Air Operated Precision Weld Head

Fundamentally the same unit as the Model VTA-60, this welding head has the additional feature of air actuation. A three-mode actuating control system is included.

The integral stroke stops provided on all Hughes welding heads are especially useful on the VTA-61 to limit unnecessary electrode travel and to prevent excessive forging due to air pressure build-up or careless operation.

SPECIFICATIONS • Model VTA-61 A precision, air operated welding head. With the exceptions below, the VTA-61 is otherwise identical to the Model VTA-60 welding head.

Dimensions	11½" high, 1¾" wide, 10½" deep
Weight	7 lbs. net, 12 lbs. shipping
Electrode Force Range, continuously adjustable	
Standard — Specify VTA-61	8 oz. to 20 lbs.
Optional — Specify VTA-61-MA	8 oz. to 10 lbs.
Optional — Specify VTA-61-MB	8 oz. to 30 lbs.
Operation Mode	Air or foot pedal
Services Required	85 psi max. air is recommended
Air Filter and Oiler, Fittings Electrical	115 VAC, 10W, fused @ 1 amp
Equipment Included	One pair ¼" diameter electrodes of RWMA-2 alloy, electrode indexing holders, integral stroke stops, two No. 4 weld cables 12" long, air actuating assembly, foot switch and controls

Optional Equipment

Horizontal Mounting Adapter	Model MA-07-04
Air Filter-Regulator-Oiler	Model MA-15-05

