

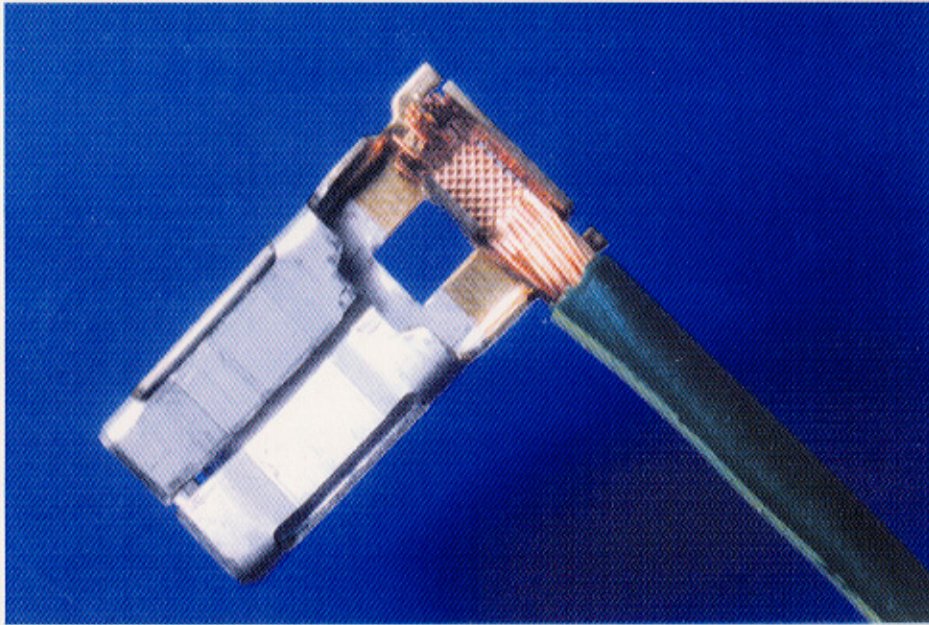


AMTECH[®]
WORLD LEADER IN
ULTRASONIC METAL WELDING

APPLICATIONS

APPLICATION BRIEF #15
FLAG TERMINAL - 2/95

Wire Termination to a Formed Terminal



View Showing Finished Ultrasonic Weld

FINAL USE: Appliances, automotive and electronics. It produces a reliable connection in critical circuits by ultrasonically welding copper lead wire in the formed barrel of the terminal.

MATERIALS: The terminal material is thin gauge beryllium copper. As it is spring hard, crimping is not a suitable connection method.

EQUIPMENT: The terminal is automatically fed from a continuous reel into a specially tooled Ultraweld[®] 20. The system provided automatic strip feed, contact cut-off and ultrasonic welding of the assembly.

PRODUCTIVITY: This machine produces over 2000 parts per hour for the customer with excellent reliability.

ADVANTAGES: Ultrasonic welding provides the highest quality connection, the lowest operation cost, and eliminates the enormous tool maintenance required by resistance welding.

AMERICAN TECHNOLOGY, INC.

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