

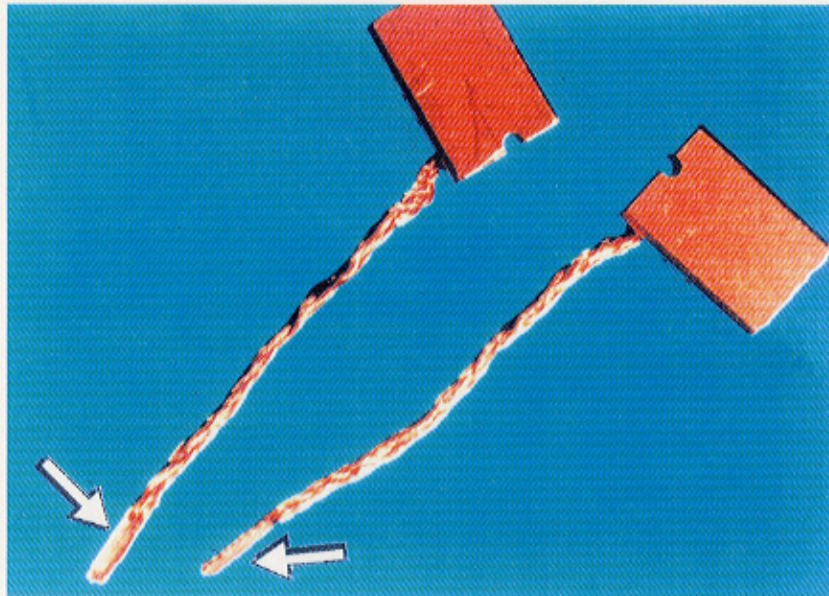


AMTECH[®]
WORLD LEADER IN
ULTRASONIC METAL WELDING

APPLICATIONS

APPLICATION BRIEF #17
BRAID TIPPING - 2/95

Solidification of the Ends (Tipping) of Braided Wire on Motor Brushes



View Showing Solidified Braids

END USE: Electric Motors

MATERIALS: 22 to 14 gauge fine stranded copper wire, braided for maximum flexibility.

EQUIPMENT: Model Gun-40 with a 947 MW power supply produces excellent results in this complete range of wire sizes. This system is readily mounted on a slide for incorporation into automated assembly lines.

ADVANTAGES: The GUN-40's small, compact design allows manufacturers a convenient system that "tips" wires ultrasonically in less than 0.2 seconds. A variety of wire sizes can be solidified without any change in tooling. Unlike resistance welders, the Gun-40 is a low maintenance system that requires no dressing of electrodes and provides a consistent nugget from part to part.

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