

ABSTRACT

The present invention is directed to an integrated flexure mount scheme for dynamic isolation of ultrasonic transducers for use with a wire bonding machine. The transducer has a body of a generally elongated shape having front, rear, and main portions. The transducer has mounting flanges for mounting the transducer to the wire bonding machine. The mounting flanges have at least two integrated flexures that connect the mounting flange to the main portion of the transducer body and define at least one flexure orifice.