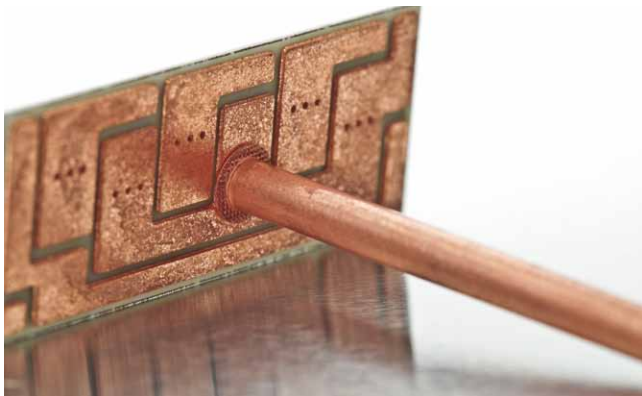


JOINING TO DELICATE CERAMIC PRINTED CIRCUIT BOARDS



■ The task

A long pin is to be attached to a very delicate PCB with copper circuits.

■ The solution

With patented torsional technology it is possible to complete large numbers of these welds in a fully automatic process.

■ The advantages

With torsional technology it is possible to keep the lower part almost free from vibrations during welding. For this reason even delicate parts, such as glass or ceramics, can be welded using ultrasonics. This also applies to long pins, which in this case measures 40 mm.



The application was carried out on a TSP750 using additional components for the special rigging.

TELSONIC
ULTRASONICS

TELSONIC AG
Industriestrasse 6b
9552 Bronschhofen
Switzerland
Tel. +41 71 913 98 88
Fax +41 71 913 98 77
main@telsonic.com
www.telsonic.com