

COPPER CONDUCTORS JOINED FLUSH WITH ULTRASONIC WELDING



■ The task

Flat, rectangular copper conductors are to be flush welded using ultrasonic technology. The welded joint must not be thicker than the conductor, i.e. overlapping must be avoided. The small bead resulting from the weld will be removed mechanically.

■ The solution

Flat metal conductors can be joined flush with ultrasonic welding using a special alignment of the ultrasonic units and special sonotrodes. TELSONIC has applied for a patent for this technology. The task can also be solved using PowerWheel technology.

■ The advantages

Fast flush weld connections without increasing the thickness of the welded joint.



The application was carried out on a PowerWheel using appropriate components for the special rigging.

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