

Application example Aluminium cable on an angled terminal

| PLASTIC WELDING | METAL WELDING | CUTTING | CLEANING | SCREENING |
|-----------------|---------------|---|--|--|
| | 9 | Task An aluminium cable with a cross-section of 60 mm ² needs to be welded to an angled, nickel-plated copper terminal. The weld needs to be as narrow as possible and the tensile strength and shearing load have to meet specified values. Solution PowerWheel® technology is ideal for connecting three-dimensional contact components with large cable cross-sections. The applica- tion is welded with an MT8000 PowerWheel® system with sound protection casing accessible from three sides. The welding process is managed with a TCS5 controller with touchscreen operation. | | |
| | | Configuration advantage If the component were to technology, a welding wit this material. Thanks to P reduced to a width of 13 offers benefits when it co connecting three-dimens | o be welded with com idth of just 15 mm cou PowerWheel® technolo mm. In general, Powe pomes to accessing wel | uld be achieved with ogy, this weld can be erWheel [®] technology |

The application was created using a 10 kW MT8000 PowerWheel $^{\circledast}$ system and TCS5 welding process controller.

www.telsonic.com

THE POWERHOUSE OF ULTRASONICS