

Application example

Fine wires on a silver-plated copper terminal

PLASTIC WELDING

METAL WELDING

CUTTING

CLEANING

SIEVING



Task

Two fine strands, each with a cross section of 50 mm² (100 mm² in total), need to be welded to a silver-plated copper terminal. In this case, the weld width is still 30 mm, but the product is due to get a lot narrower in future due to a reduction in construction space.

Solution

The task was successfully resolved with a torsional PowerWheel® technology system such as a Telso®Terminal TT7 with a maximum power of 14.4 kW. The Telso®Flex process controller comes with a wide array of quality monitoring options. The sound protection casing with three open sides ensures optimum conditions when it comes to ergonomics.

Advantages of this configuration

Torsional PowerWheel® technology's unique method for applying welding force to the component creates a secure weld on sensitive fine wires. Any drawing oil left in the fine wires is safely eliminated thanks to the high level of energy. The machine's potential means that the weld on the same wires in future components can be reduced significantly in size, helping to save on materials and construction space.



The application was welded using torsional PowerWheel® technology. Above, the Telso®Terminal TT7 with a maximum welding power of 14.4 kW.