TELSONIC
ULTRASONICS

Application example

Terminal with double weld and insulation

PLASTIC WELDING | METAL WELDING | CUTTING | CLEANING | SIEVING

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

Task

An aluminum cable needs to be welded onto a two-part terminal. To begin with, the aluminum terminal needs to be welded to the nickel-plated copper terminal. After that, the weld point has to be sealed in a special injection molding process. Then the second weld is produced: the aluminum cable is welded to the aluminum terminal.

Solution

Both welds are carried out in this order with the PowerWheel® system such as the Telso®Terminal TT7 with a power of 14.4 kW.

Advantages of this configuration

With its high weld output and specialist technology, PowerWheel® technology is the only solution to this application. The weld is able to withstand even the highest loads. This technology reliably prevents contact erosion between the aluminum and the copper in the terminal. The process has been approved for use in the automotive industry.