

Telsonic ultrasonics for highest welding quality

FIDES audit successfully passed

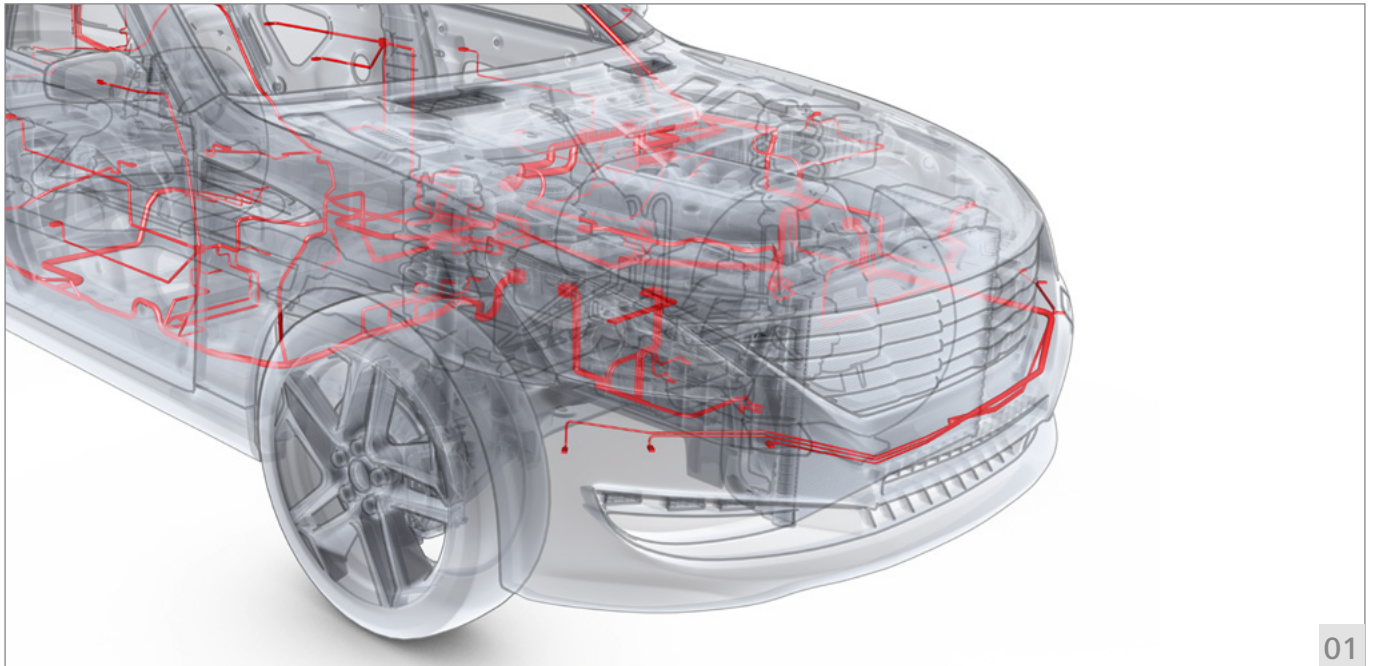
PLASTIC WELDING

METAL WELDING

CUTTING

CLEANING

SIEVING



01

Bronschhofen (CH), 02/2021

In automobiles, assistance features are increasingly taking over tasks that are critical for functionality and safety. The declared goal of the automotive industry is the self-driving car, which navigates reliably, safely, and independently with no human supervision.

In order to be able to quantify these high standards, data and facts about the technologies used are needed. For example, the appropriate, expected failure rates are required for all components in the vehicle electrical system. This enables cables, welded and crimped connections, plug contacts, screw connectors, etc. to be assessed and compared with each other. In order to quantify the expected failure rate, systems, system manufacturers and assemblers are audited and evaluated according to FIDES, a standard for assessing reliability in aircraft and railways, among other areas. Here, reliability is expressed in FIT (failure in time), where 1 FIT corresponds to one (1) failure in 1,000,000,000 hours.

Ultrasonically welded cable joints rightly enjoy an excellent reputation for durability. Of course, the ultrasonic welding system that is used also influences the joint quality to some degree. Telsonic has now had the **Telso®Splice TS3** audited as part of a FIDES audit, and it has achieved excellent results. The audit certificate is available at www.telsonic.com.

For questions about the Telso®Splice or specific applications, please contact Telsonic Sales.

If you have any questions about quality, please contact our Product Manager for Metal Welding, Christian Huber.



02

- 01 Vehicle with extensive wiring system
- 02 Christian Huber, Product Manager, TELSONIC AG, Switzerland