TELSONIC ULTRASONICS

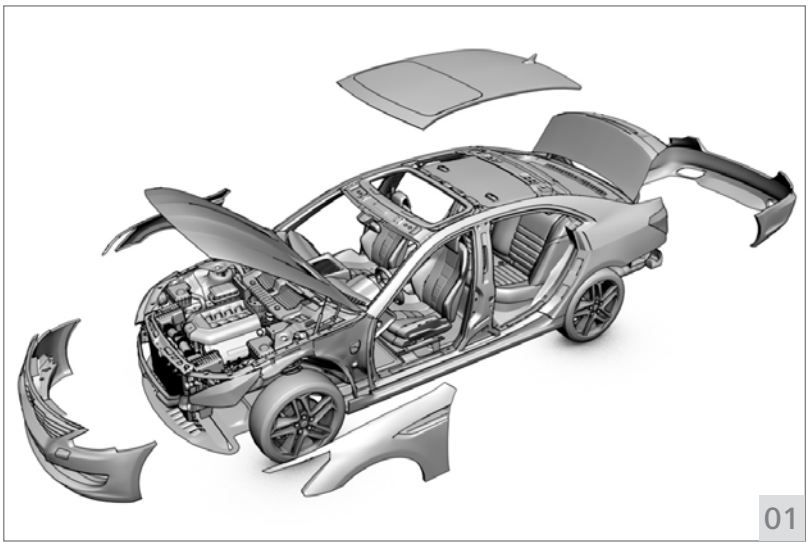
MAGNA

News

Thin-wall technology – welding

Torsional ultrasonic welding

PLASTIC WELDING | METAL WELDING | CUTTING | CLEANING | SCREENING



01

01 Model vehicle, © TELSONIC AG
02 Torsional welding sonotrode in use (© Magna)
03 Torsional welding system from TELSONIC (© Magna)

VDI conference – "Plastics in automotive engineering 2017"
Mannheim (Germany), 14–15 March 2017

At the world's largest marketplace for the sector, everything revolved around plastic applications for interiors, exteriors, engines, materials and technologies. With contributions looking at sustainability and reducing CO_2, these two areas were pinpointed as priorities from the wide range of topics.
Magna Exteriors presented TELSONIC torsional ultrasonic welding technology and its advantages in use. By using a sensor holder with an innovative design as an example and demonstrating TELSONIC's unique torsional technology, it was possible to present key results, which also fully addressed the areas of sustainability and reducing CO_2.
We – together with our partner Magna Exteriors – are thrilled with the success and the high level of interest among participants.
Magna Exteriors has kindly allowed us to share some excerpts from the talk below.

02

03

Bumpers using thin-wall technology – an update on the materials, processes and technological innovations
A talk by: Dipl.-Ing. Peter Diehl/Dipl.-Ing. Johannes Götzelmann
Torsional ultrasonic welding – specific advantages

- Pull-off forces between 220 N and < 400 N
- Tested on 2.0 mm–2.8 mm test plates and bumper sections
- No visible marks on the class A surface

We are thrilled that TELSONIC is able to contribute to improving sustainability and reducing CO_2 emissions.

By Sven Siewers, M.A., Sales Manager Plastics Automotive, TELSONIC GmbH in Germany