

## Press Release

Bronschhofen, November 2015

### Networking in the ultrasonic industry

**Linz-based company TMS has installed two efficient TELSONIC AG ultrasonic chambers in the new cleaning system of German automotive manufacturer Audi.**

#### **The TMS cleaning system for the automotive sector**

TMS Turnkey Manufacturing Solutions GmbH, based in Linz in Austria, is a major supplier for the whole automotive industry, providing solutions for body construction, assembly and conveying technology and powertrain assembly, as well as cleaning systems.

Audi uses the system shown here to clean cam shafts and parts. It is fitted with a pre-wash chamber to which the pallets containing the cam parts are delivered before being washed and blown down. The system has a robot chamber containing a robot, the ultrasonic tanks, a delicate-wash chamber and a vacuum-drying chamber.



#### **Ultrasonic components from Telsonic AG**

TMS chose to use components from the Swiss company Telsonic AG in the two ultrasonic chambers.



The ultrasonic chambers have a special design which optimizes the use of the ultrasonic radiation from the two tube resonators. The cleaning chambers shown here are each fitted with an ultrasonic tube resonator from Telsonic. Telsonic supplies tube resonators of the type RS-25-55-P in various lengths and can produce power of up to 1200 W with a suitable generator. The tube resonators boast a compact design, a 360-degree ultrasonic vibration field and efficiency of over 95%.

A Telsonic MAG-C cleaning generator is installed in the TMS cleaning system. These generators have selectable modulation modes (e.g. pulse mode) in order to optimize efficiency. The MAG-C cleaning generators were designed for installation in electrical control cabinets. The generators are integrated into the overall control system with the help of the ProfiNet bus module so that the system controller (PLC) can parameterise the generator (configure settings) and read out the process data.



**About Telsonic AG Bronschhofen/Switzerland**

Telsonic AG is an international enterprise in the field of industrial ultrasonic technology and one of the global market leaders. The company, founded in 1966 with headquarters in Bronschhofen (Switzerland), employs a staff of approximately 200 worldwide, with subsidiaries in Germany, the UK, Serbia, the USA and China, and representation in many other countries.

Thanks to many years of experience and constant technological improvement, Telsonic offers advanced ultrasonic generators, resonance systems and system solutions which meet clients' diverse needs. Our experienced sales engineers and application specialists seek the optimal system concept for the individual application according to precisely defined requirements. Clients are supported by our expert team throughout the entire sales process. Our highly trained and experienced service team offer support in the long-term operation of ultrasonic systems and are also available to offer expert answers to questions.

**About TMS Turnkey Manufacturing Solutions GmbH, Linz/Austria**

TMS Turnkey Manufacturing Solutions GmbH is an Austrian automotive supplier based in Linz with responsibility for the entire value chain from beginning to end. TMS has around 500 employees in total at 11 sites in 8 countries, including Germany, Czech Republic, Romania, Russia, Spain, India and China. It produces complete body-in-white systems for the automotive industry, conveying and assembly technology, and cleaning and drying systems for metal surface cleaning.

TMS is part of VALIANT GmbH, a privately owned Canadian company which employs over 1200 people at 20 sites around the world. TMS was founded (as Voest Alpine Maschinenbau) in 1984 by ÖIAG (Austrian state industry).

**Pictures**

We are happy to provide you with the high-resolution pictures used in this press release.

**Words, characters**

544 words, 3'546 characters (w/o blank spaces)

When printing please send two specimen copies to Telsonic AG, Karin Grämiger, Industriestr. 6b, 9552 Bronschhofen, Switzerland.

**Press contact**

Dirk Schnur  
Chief Marketing Officer  
TELSONIC AG  
Tel. 071 913 98 84  
dirk.schnur@telsonic.com  
www.telsonic.com

Karin Grämiger  
Marketing Coordinator  
TELSONIC AG  
Tel. 071 913 98 39  
karin.graemiger@telsonic.com