

**2023 WHMA 30TH ANNUAL WIRE HARNESS CONFERENCE**  
FEBRUARY 14–16, 2023 | Sandia Resort & Casino Albuquerque, New Mexico



# TELSONIC

## ULTRASONICS

### WHMA Sponsor Spotlight

February 15<sup>th</sup> 2023 – WHMA Conference, Albuquerque NM



## Telsonic today

### Facts and figures

Main

**sectors**

Automotive industry  
Packaging industry  
Medical technology

More than

**55**

Years  
Telsonic

More than

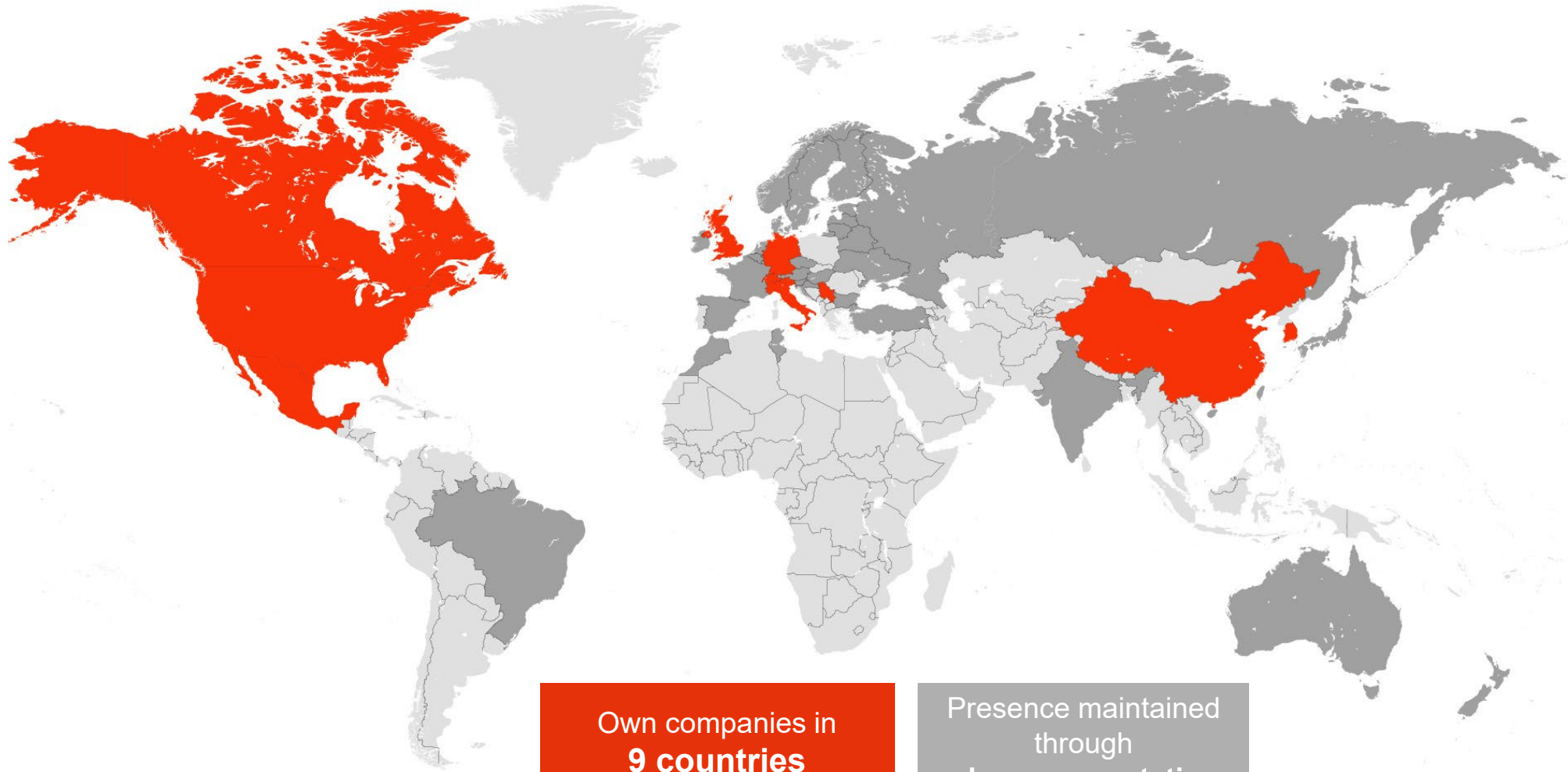
**300**

employees worldwide

Ultrasonics...  
**Environmentally friendly, fast,  
reliable, economical**

## Telsonic worldwide

Sales and service in key markets



Own companies in  
**9 countries**

Presence maintained  
through  
sales representatives

# Examples of industrial ultrasonics

Wide range of applications

Plastic welding

Metal welding

Cutting

Cleaning

Screening



# Examples of industrial ultrasonics

Wide range of applications

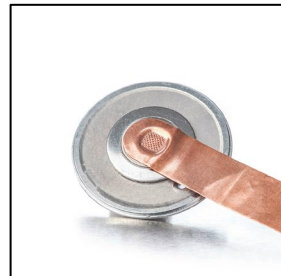
Plastic welding



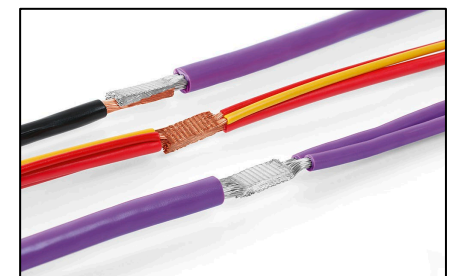
Metal welding



Cutting



Cleaning



Screening

# Examples of industrial ultrasonics

Wide range of applications

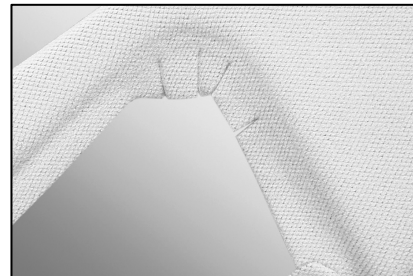
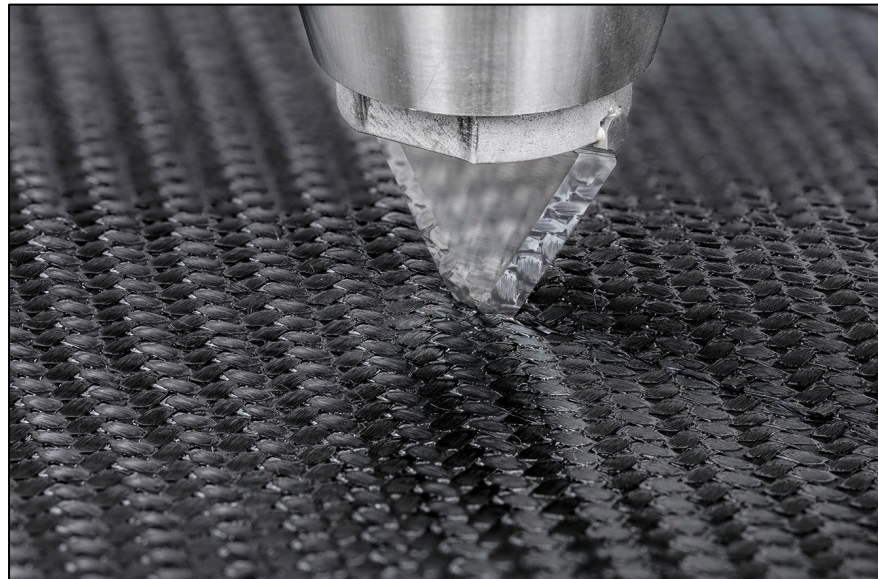
Plastic welding

Metal welding

Cutting

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# Examples of industrial ultrasonics

Wide range of applications

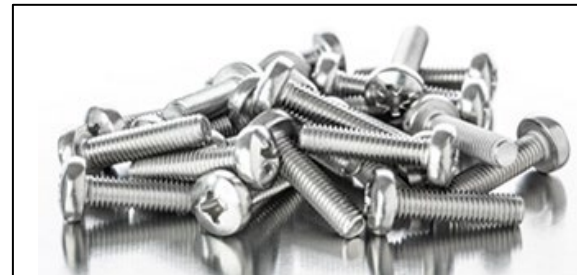
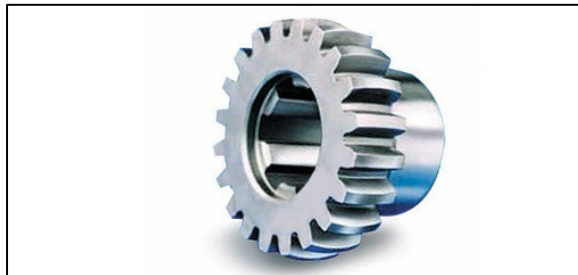
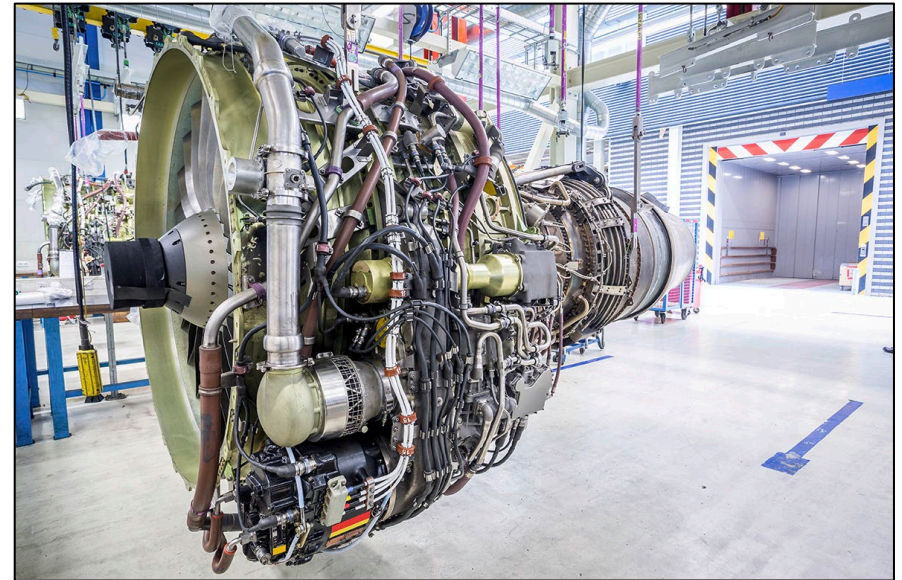
Plastic welding

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# Examples of industrial ultrasonics

Wide range of applications

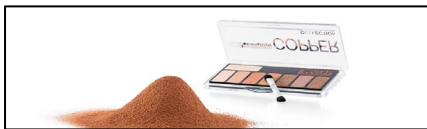
Plastic welding

Metal welding

Cutting

Cleaning

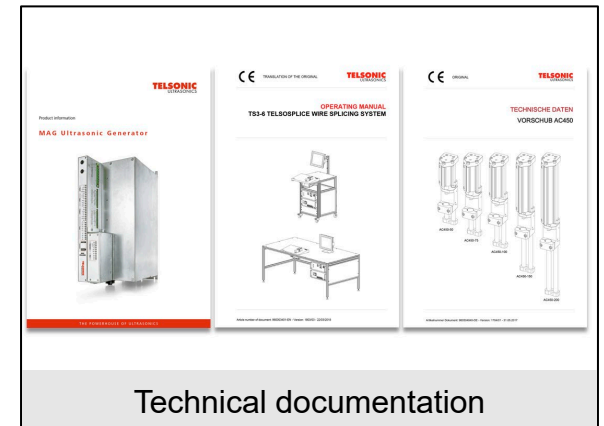
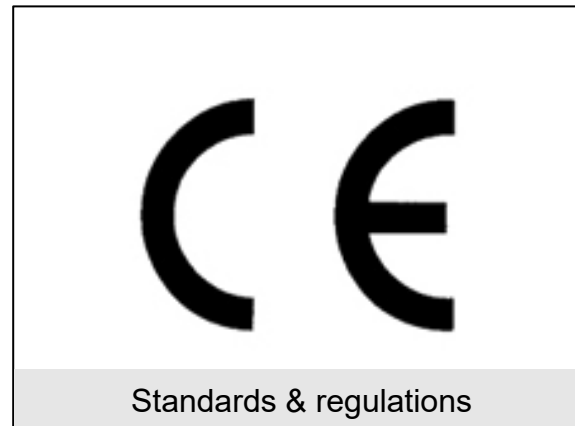
Screening





# Development – The driving force of innovation

Core areas of expertise under one roof





**Metal Welding**  
Innovations Overview

# Innovations Overview

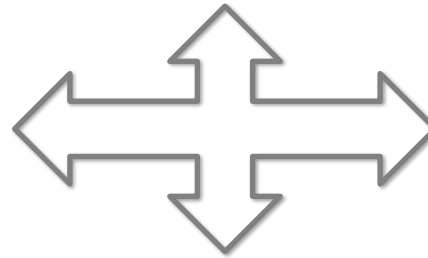
Technology, Digitalization, Products, Engineering, Services, Training

## Weld Development

- Partnerships with:
  - Terminal Manufacturers
  - Cable Manufacturers
  - Tier 1 companies
  - OEM's

## Digitalization

- Software
  - TelsoFlex
  - Production Servers
  - Remote Support
  - Verification



## New Products

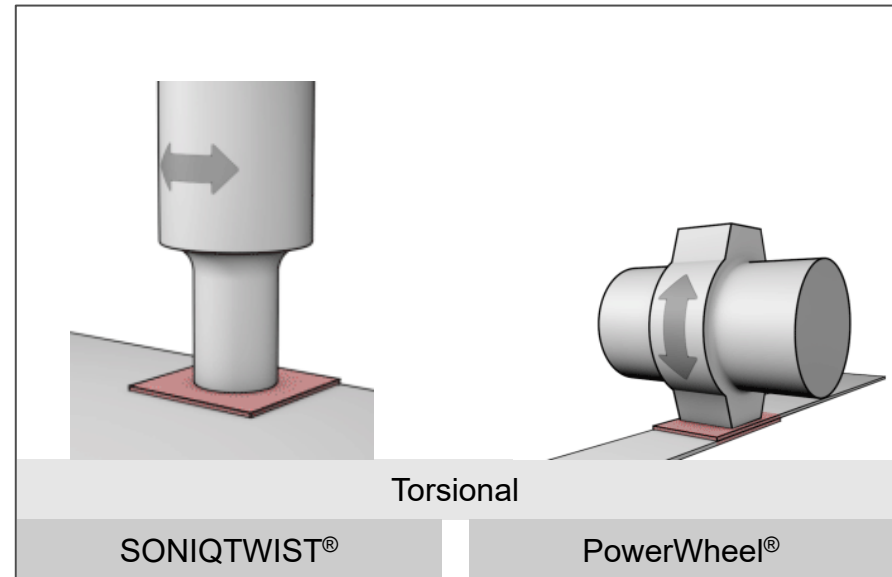
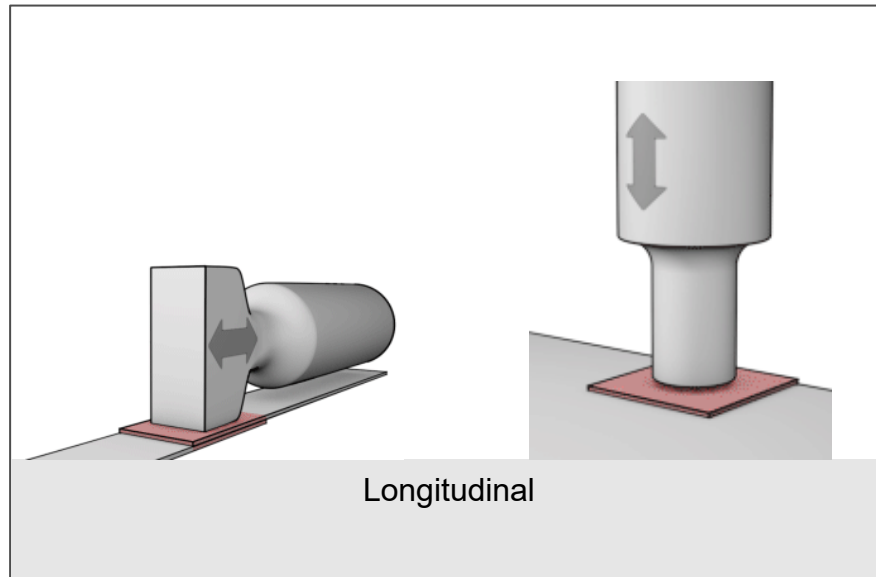
- High Power EV Applications
- New equipment options
- Productivity
- Quality Control

## Services

- Seminars and Training
- Virtual Support

## Ultrasonic methods

Telsonic is expanding its range of applications



### Torsional welding features

- **Suitable for plastic and metal welding**
- **No membrane effect**
- **Gentle, low-vibration technology, e.g. for sensors**
- **Easy to access even in small spaces**
- **Suitable for round and angular parts**

**Torsional**  
Exclusive to Telsonic

# Product overview

## Press portfolio for ultrasonic metal welding

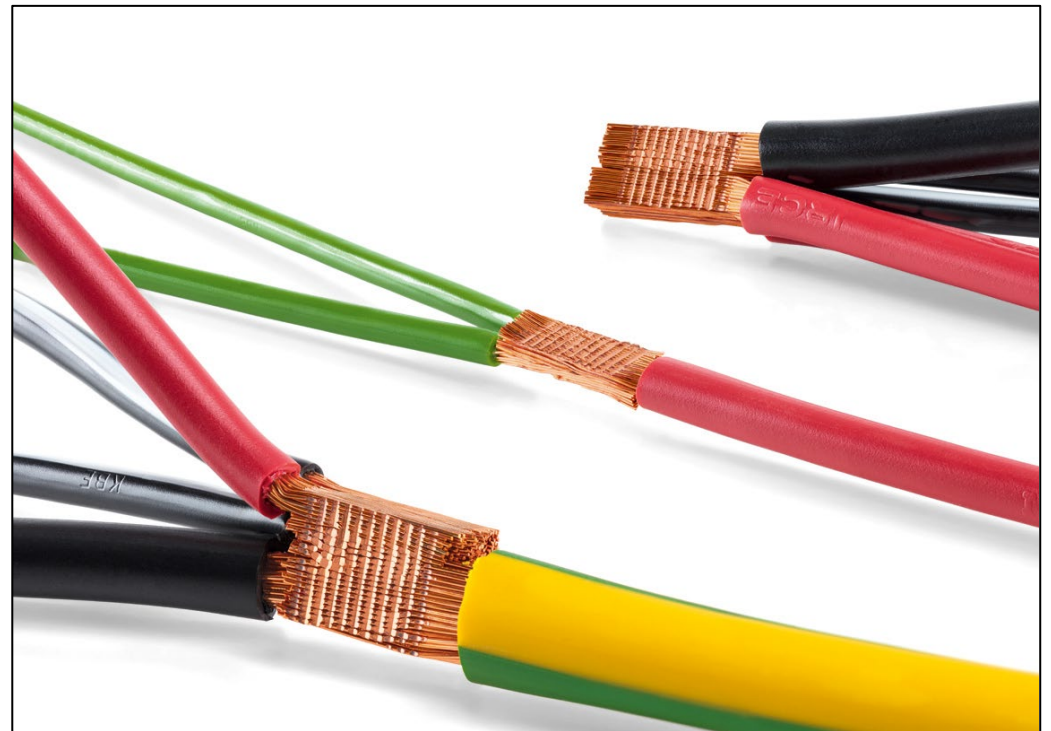
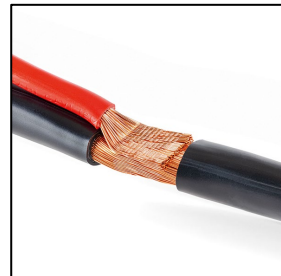


## Linear metal welding technology

Application overview of wire splicing with the Telso®Splice series

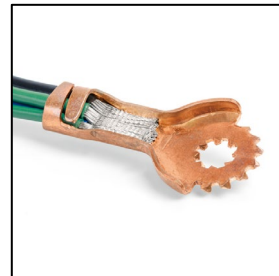
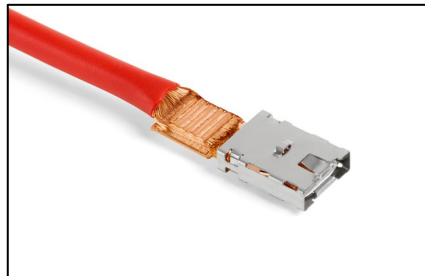
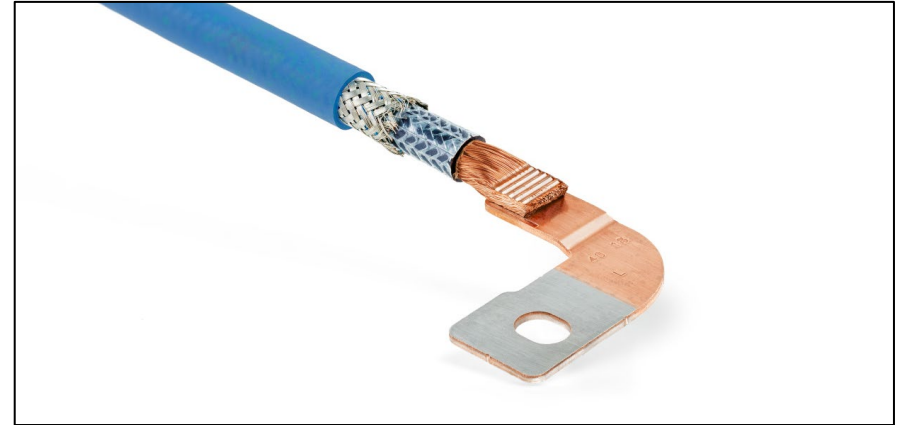


**Copper** and **aluminum**  
combinations



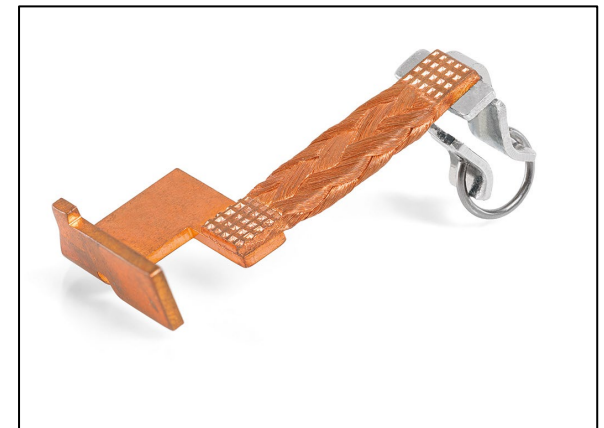
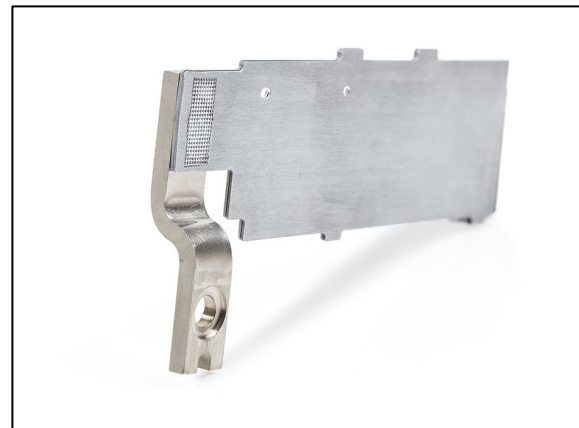
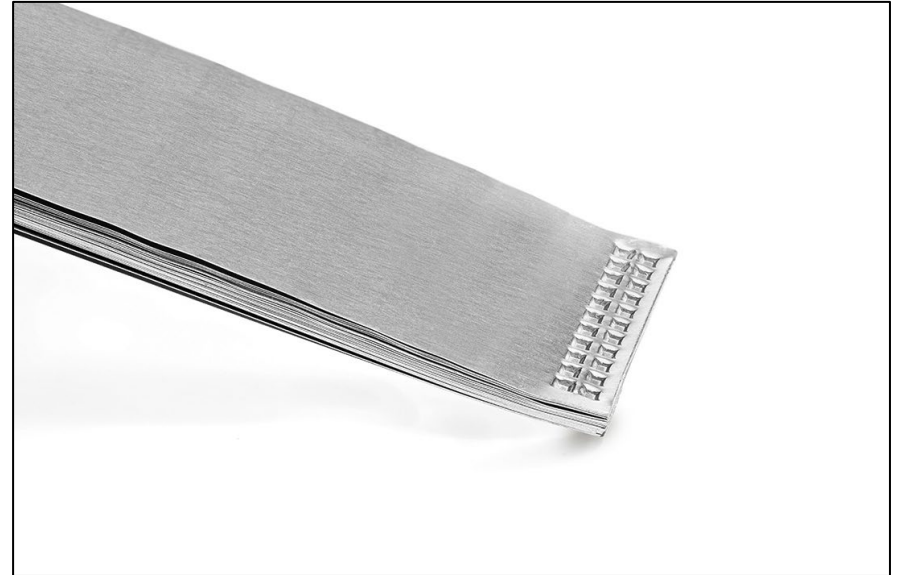
# Linear metal welding technology

Application overview of terminal welding with the MPX series



# Linear metal welding technology

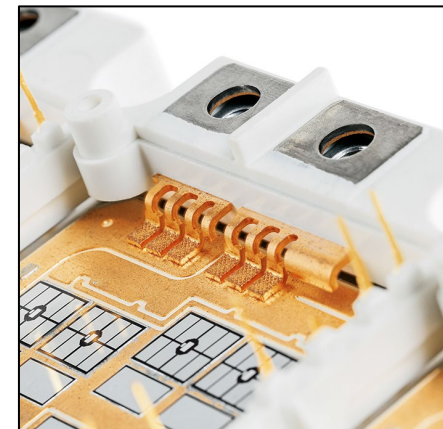
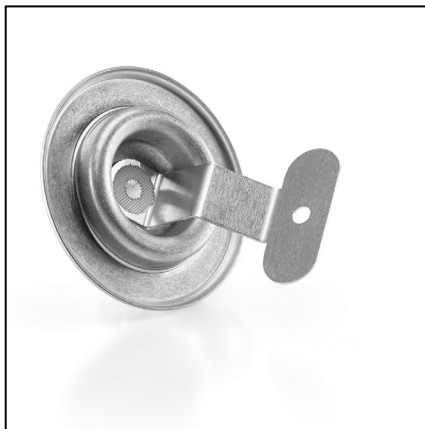
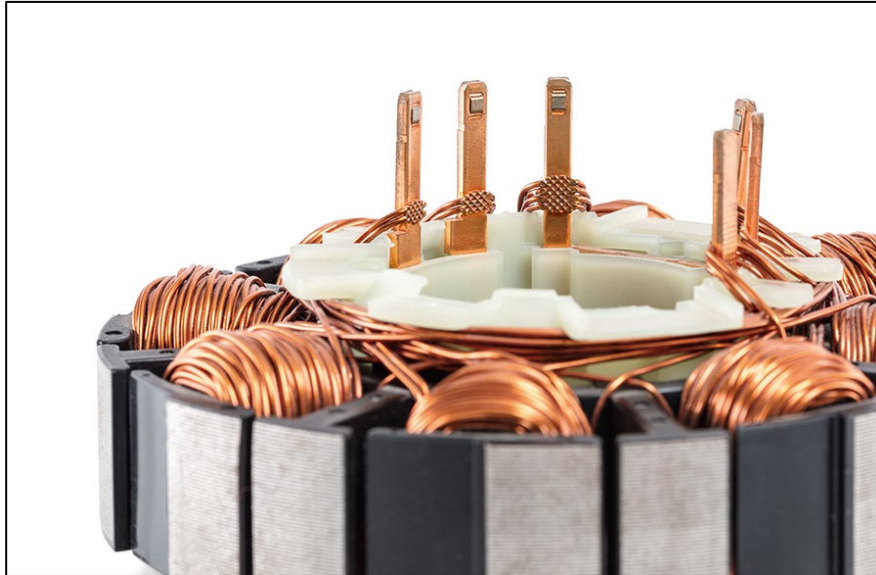
Application overview of battery welding with the MPX series





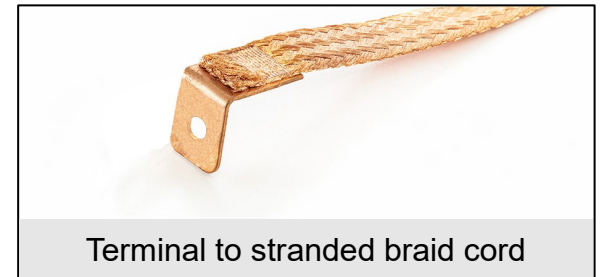
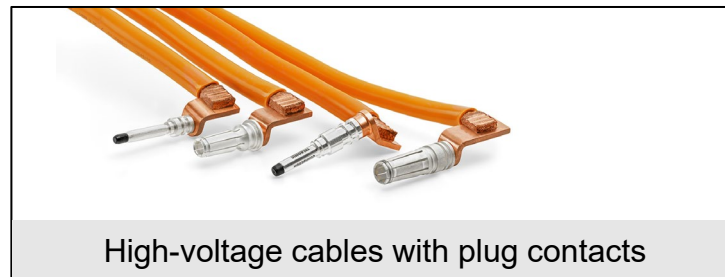
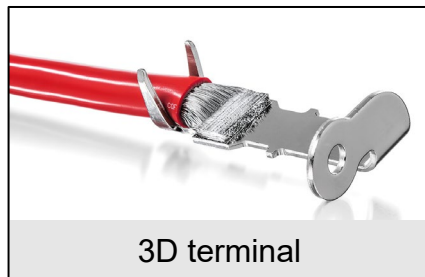
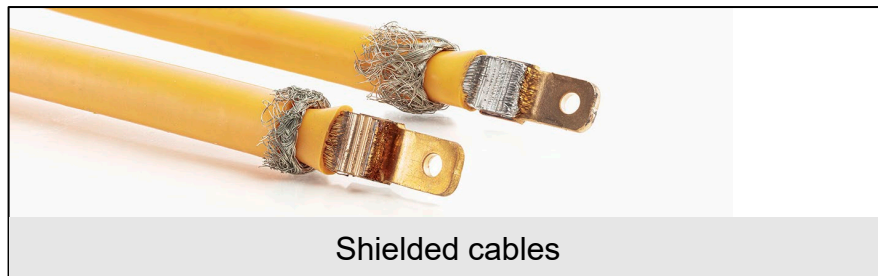
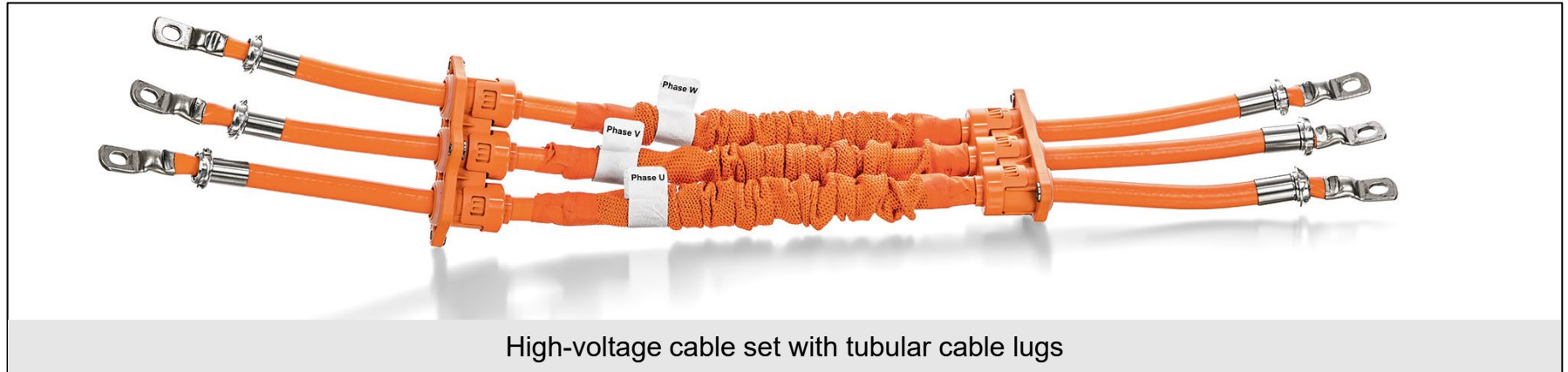
# Torsional metal welding technology

## Application overview



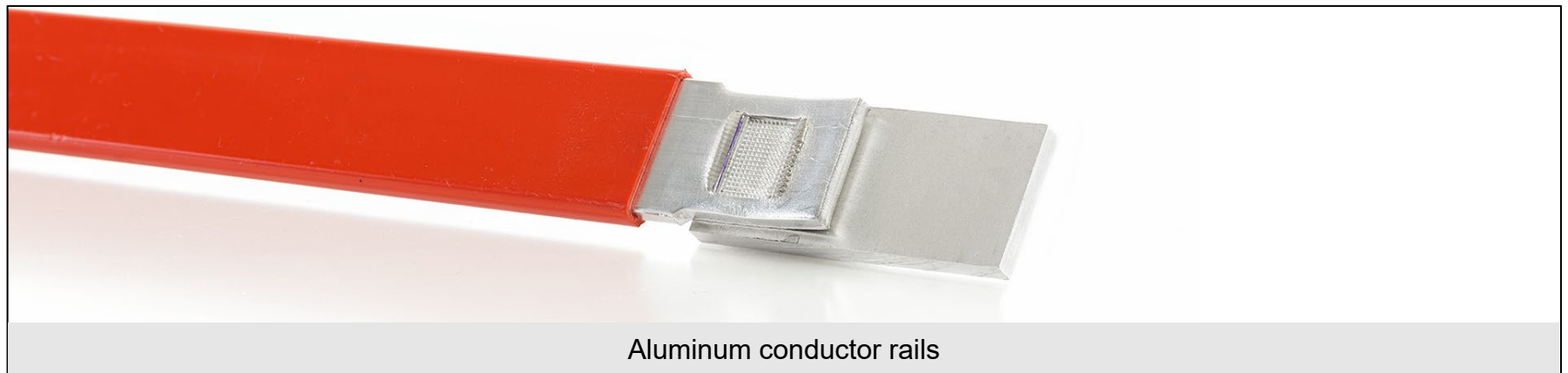
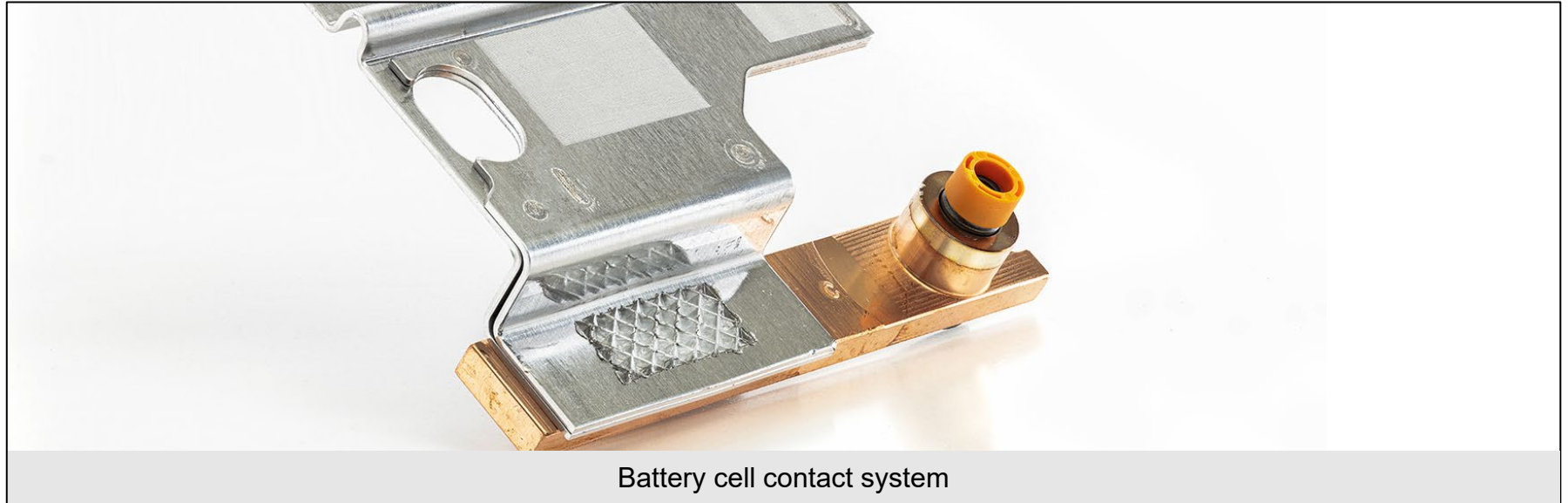
# PowerWheel® welding technology

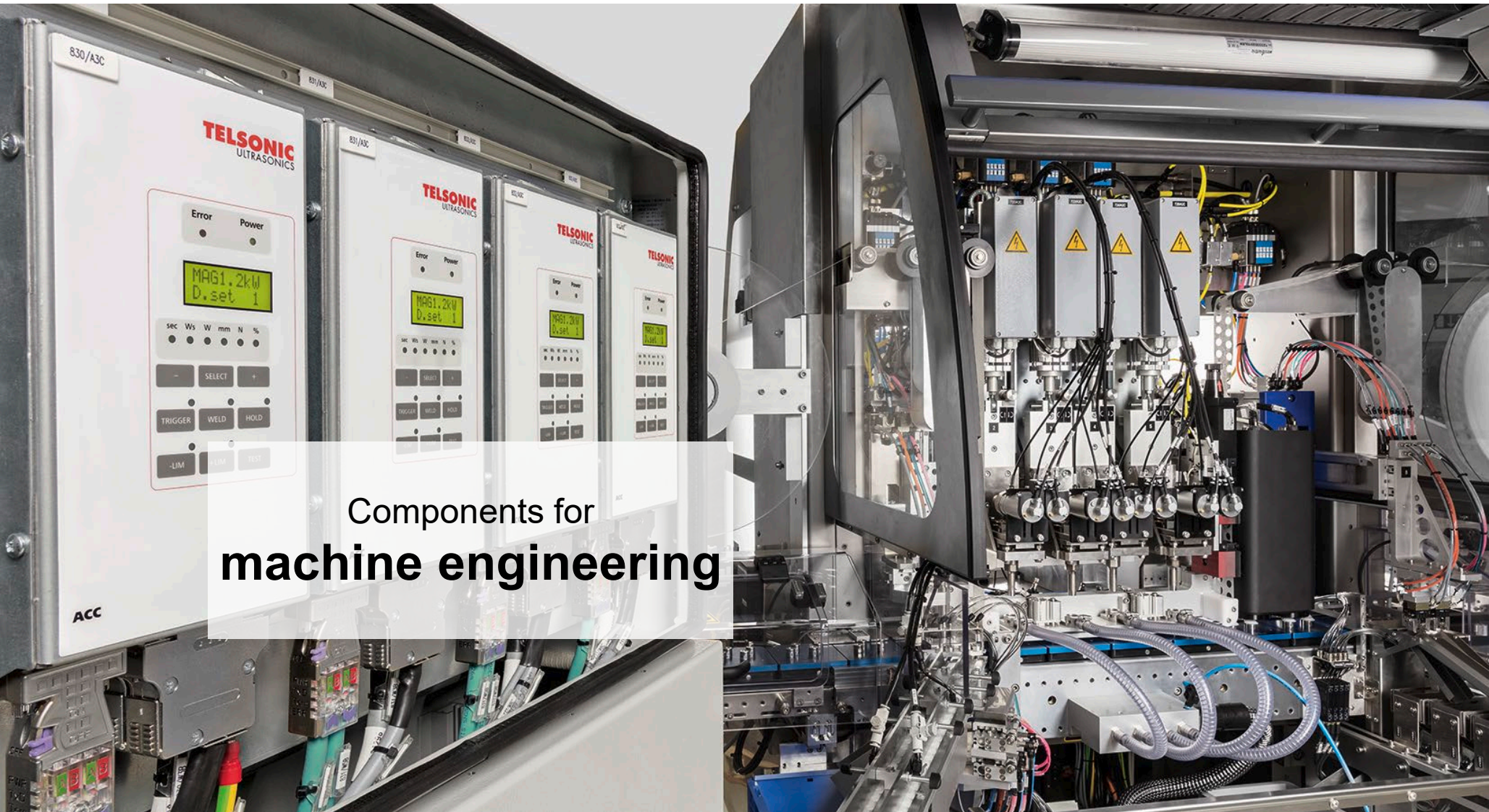
Application overview, stranded wire on terminal



## PowerWheel® welding technology

Application overview, terminal on terminal





Components for  
**machine engineering**

# Product overview

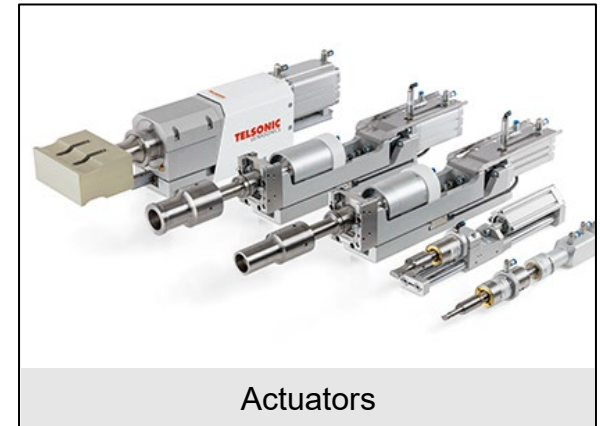
## Components for plant construction



Generators + controllers



Converters



Actuators



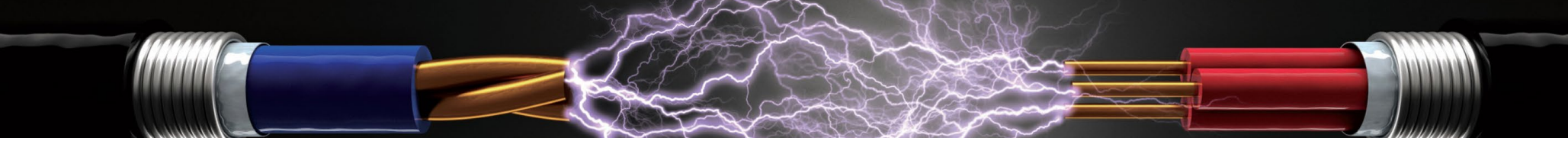
Acoustic tools

## Cooperative relationships with clients

Many years of experience in working with well-known companies



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**TELSONIC**  
ULTRASONICS

**Thank you for your attention!**

**Visit us at Booth #104**

