

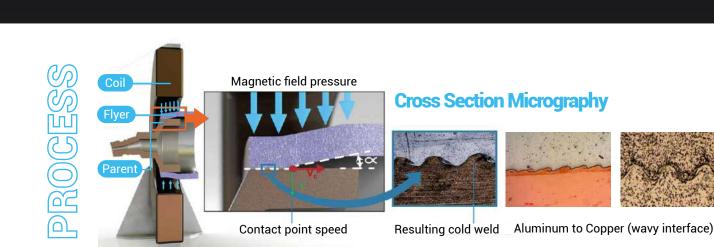
## **Magnetic Pulse** Welding



Our Magnetic Pulse Welding (MPW) technology uses electromagnetically generated forces to create a solid-state cold weld at room temperature. This weld is completed in microseconds and is stronger than a conventional weld.

#### **Seamless Pressure Resistant Welding**





## In Testing

The parent material fails prior to the welded area:

**BURST TEST** Pressure vessel. Al to Al





**TENSILE TEST** Flat weld, 6,000 series Al to 6,000 series Al



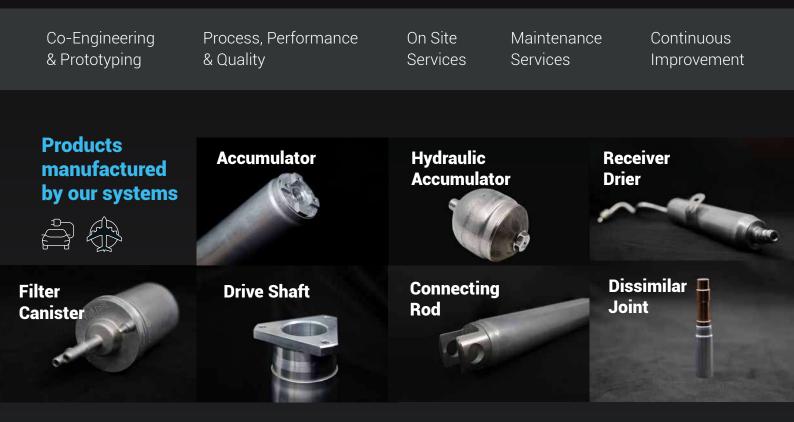
# Solution Pressure Vessels



Our breakthrough Magnetic Pulse Welding (MPW) technology makes it possible to bind materials at a molecular level and at room temperature, without fumes or filler material, thus preserving the material's initial properties.

Increasingly efficient and reliable, our industrial, turnkey MPW systems are currently being used by automotive industry leaders for mass production of key components of highly efficient HVAC (Heat Ventilation & Air Conditioning) systems utilized in electric vehicles, like R744 (CO<sub>2</sub>) accumulators and R290 (Propane) receiver driers.

We enable our customers to save material and thus weight and cost, while ensuring high levels of product performance.





### Welding System Manufacturing

- Security, Health & Safety
- Compact, Semi-automatic Mass Production
- High Repeatability, & Low Scrap Rate
- Process Monitoring
- Easy to Operate & Maintain
- Environmentally-Friendly

