

Capabilities: Stamping

Forward Thinking Manufacturing



For over half a century, Micro has been a leading supplier to fortune 100 clients and brands all over the world. Delivering micro metal and plastic componentry for OEMs as well as assembly for precision electromechanical products.



mic-tec.com/capability

Capabilities: Stamping



Over Half a Decade of Experience

At Micro, our fine stamping has run for 55 years and our specialty lies in 0.001-inch thickness using specialty and precious metal alloys. Good stamping requires great tooling, and our tooling is designed and built in house by Micro for that very reason, often with 0 clearance tolerances.

Die Maker Apprenticeship

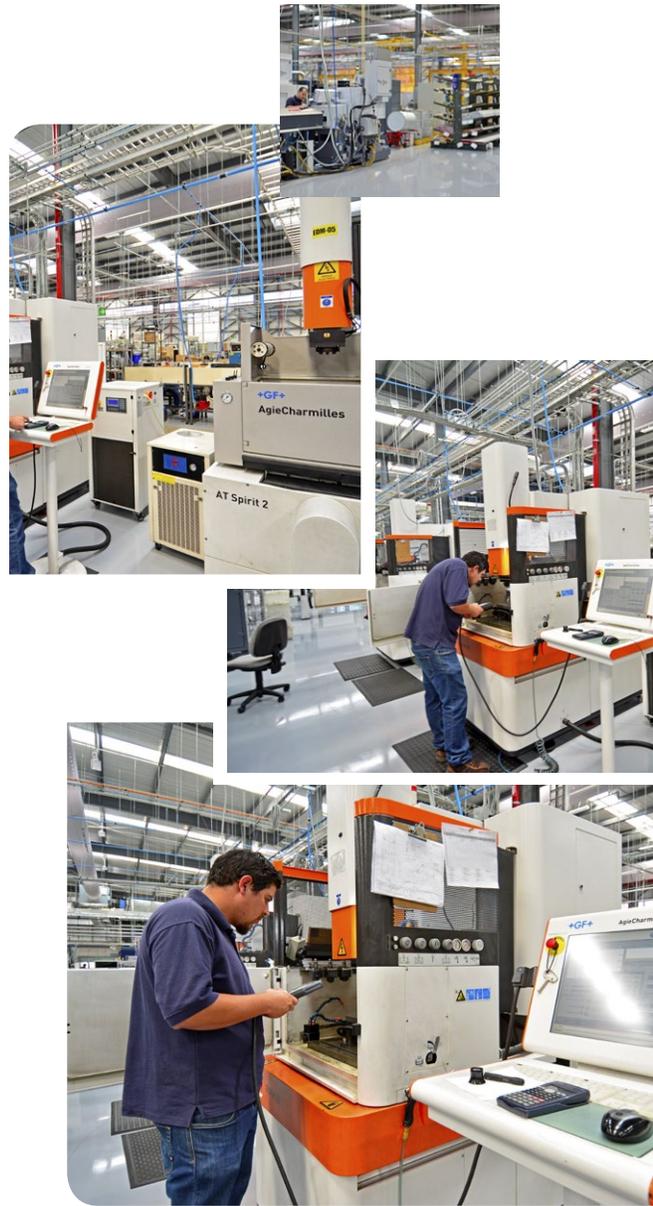
Fine stamping still retains both art and science, and for that reason we preserve the age-old tool and die maker apprenticeship program to pass down knowledge from craftsmen to craftsmen, to keep the trade alive.

Micro's Maintenance Standards

Our rigorous die maintenance program ensures the quality of our parts are maintained over the life of the die, and that the dies are always maintained and in proper working order, with a system of replacements available to support the life of the program at any time.

Speed & Precision

Our high-speed presses and skilled technicians produce fine metal stamping of any shape, at virtually any size, and made of almost any metal, alloy or composite material. Once machinery and dies are set, our processes can run in a highly-automated manner to create greater cost efficiency per part and highly consistent quality and accuracy.



Who relies on Micro



Our Certifications



An end-to-end one stop shop with single point accountability across design, manufacturing and logistics.

- ▶ **SIGMA Certified across many areas of the business with a company-wide at least 5-sigma quality mandate by 2020.**
- ▶ **ISO Certifications**
 - ISO 13485:2003 certification
 - ISO 9001:2008 certification
 - ISO/TS 16949:2009 certification
- ▶ **Quality (PPM)**
 - <100 ppm for low pressure, micro position sensing
 - <10 ppm for single component to sub-system integration
 - 0 ppm in Automotive.
- ▶ **Tolerances:**
 - 0.05mm - Plastic
 - 0.005mm - Metal
- ▶ **Precision:**
 - Stamping +/- 0.012mm
 - Assembly +/- 0.08mm
 - Molding +/- 0.05mm
 - +zero flash
- ▶ **Capabilities**
 - Plug and play logistics and VMI with global JIT
 - and TQM Total Quality Management
- ▶ **Shipping**
 - We ship over 1 billion parts per year to 39 countries.
- ▶ **Volume**
 - Over over 500,000,000 safety critical components delivered in 55 years of operation including
 - 200,000 units delivered weekly to Industrial / Aerospace
 - 5,000,000 units delivered weekly to Auto / Semi-Con
 - 150,000 assembled units delivered weekly to Medical

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