

Capabilities:

# Clean Room ISO Class 8 Capabilities

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.



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## Micro's Controlled Environment

Because our main factory is held in a controlled environment and to a higher cleanliness standard, we're use more modular and flexible clean rooms on demand, maintaining our efficient layout, and adapting to client needs with maximum responsiveness.

## Rapid Clean Room Deployment

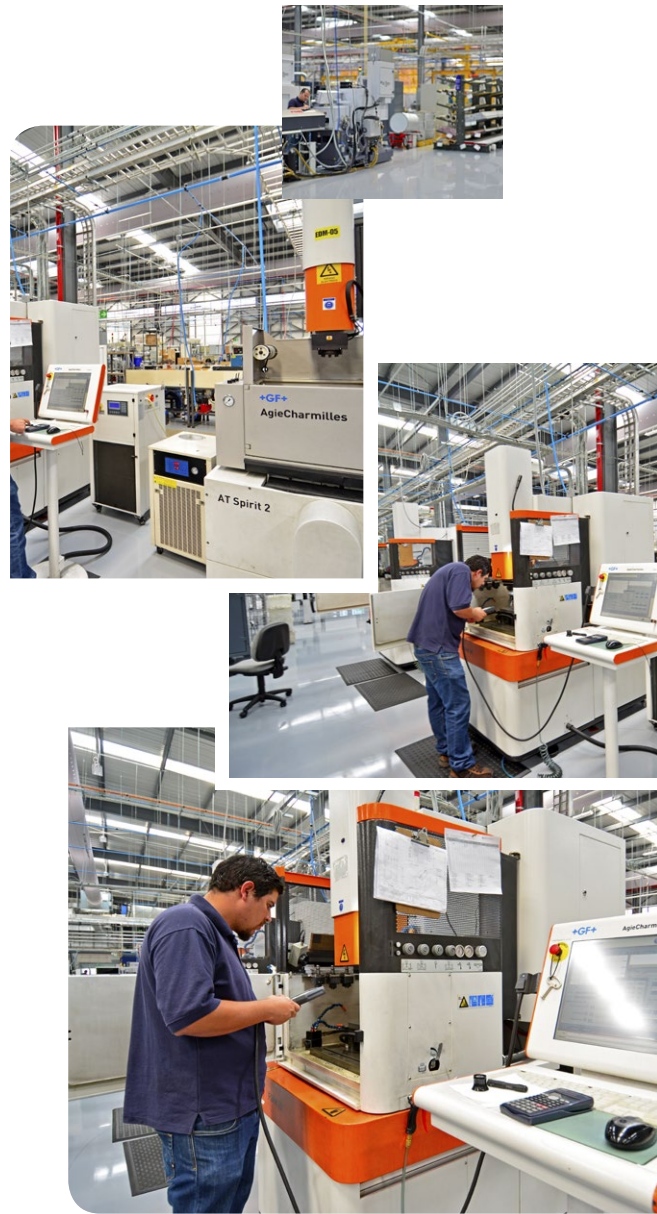
At Micro, we can deploy modular and cost effective clean rooms that are easily scalable and quickly validated, responding to client needs on a dime.

## A Segregation Approach

Mostly, manufacturers create clean rooms to segregate the areas that need to be clean and whilst we can and do execute that approach when needed, Micro's modular workplace model allows us to create an entirely clean factory floor and segregate the unclean areas via non-clean rooms. Anything that creates contaminants into the air goes into our Micro non-clean rooms, each with its own HVAC system for disposal. With this approach, we take cleanliness standards to a new level of consistency whereby cleanliness becomes nominal.

## ISO Class 8

For medical clean room requirements, we erect soft-sided modular rooms in the form of clean plastic tents that are movable, easy to expand, and completely validated to ISO Class 8.



## 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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