



QUALITY

 **MICROWELD[®]**

LASER WELDING & MARKING

MICROWELD[®] TECHNIC - MICROWELD[®] PRODUCTION

1 | OUR QUALITY POLICY

Ever since 2011, Microweld^o has adopted a management system integrating Quality procedures compliant with the ISO 13485 and ISO 9001 standards.

Our corporate culture aims at constantly evolving according to what our customers, suppliers and employees expect from us.

4 main guidelines:

1 | SATISFY OUR CUSTOMERS

- we wish to establish a commercial relationship based on listening to you and understanding your needs
- we choose the technology that best suits your needs
- we provide you with optimal and economical technical solutions

2 | FINE-TUNING PRODUCTION TO YOUR NEEDS

- we apply Lean Manufacturing methods: 5S, Kaizen, FMECA, etc.
- we set up and use analysis and problem-solving tools
- we manage just-in-time logistics

3 | CONTINUING OUR DEVELOPMENT

- we continually develop our business expertise
- we aim at adjusting to the requirements of both French and international markets
- we aim at improving our capacity to anticipate and our reactivity

4 | UPGRADING OUR EMPLOYEES' SKILLS

- we regularly train our collaborators to keep up with the latest technology and organisational skills
- we recruit deftly
- we encourage our staff to acquire further skills

CERTIFICATIONS

ISO 13485 | ISO 9001 | EN 9100

2 | OUR METHODS OF CONTROL

Our engineers in our metrology laboratory use several methods of control:

- visual inspections through binoculars and optical microscope
- dimensional and functional checks
- engineering controls
- penetrant inspection
- leakage, sealing and pressure dropping tests
- pulling and tearing tests
- material health assessments: metallographic cross sections and 3D X-ray tomography
- we also develop specific and dedicated means of inspection

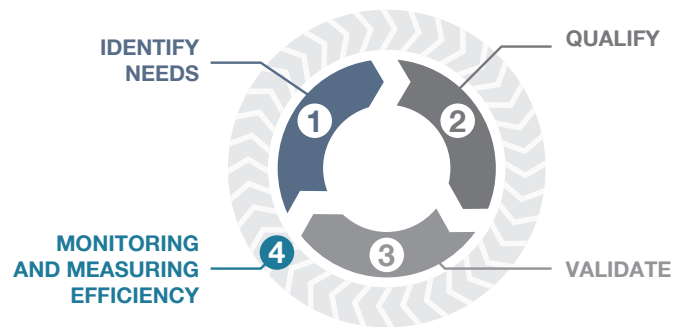
3 | QUALIFICATIONS

To guarantee high-quality work, our production units are comprised of fully qualified specialists.

Welding is a very special process

To guarantee compliance with your specifications and requirements, take into account the involved mechanical characteristics, the necessary resistance to diverse stress modes, fragilisation as well as appropriate dynamic behaviour, we have set up the following:

We apply a 4 stage process:



1	<p>Definition of the specifications and technical requirements:</p> <ul style="list-style-type: none"> - implementation parameters - specific requirements for parts - compliance with specifications
2	<p>Qualification of your products and our manufacturing capacities to comply with your needs:</p> <ul style="list-style-type: none"> - equipment - operations - installations - staff
3	<p>Checking that the technique applied to the component complies precisely with the definition requirements by testing:</p> <ul style="list-style-type: none"> - the correct functioning of the global process - the performance level of the chosen process - the design of the process to ensure constant production - the means of measurement include: capability studies, repeatability and reproducibility studies, data consistency studies, etc.
4	<p>Monitoring and measuring efficiency:</p> <ul style="list-style-type: none"> - installation of positioning lugs: Poka Yokes - tracking production - inspections - measurements - conducting in-house audits



Microweld^o

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