

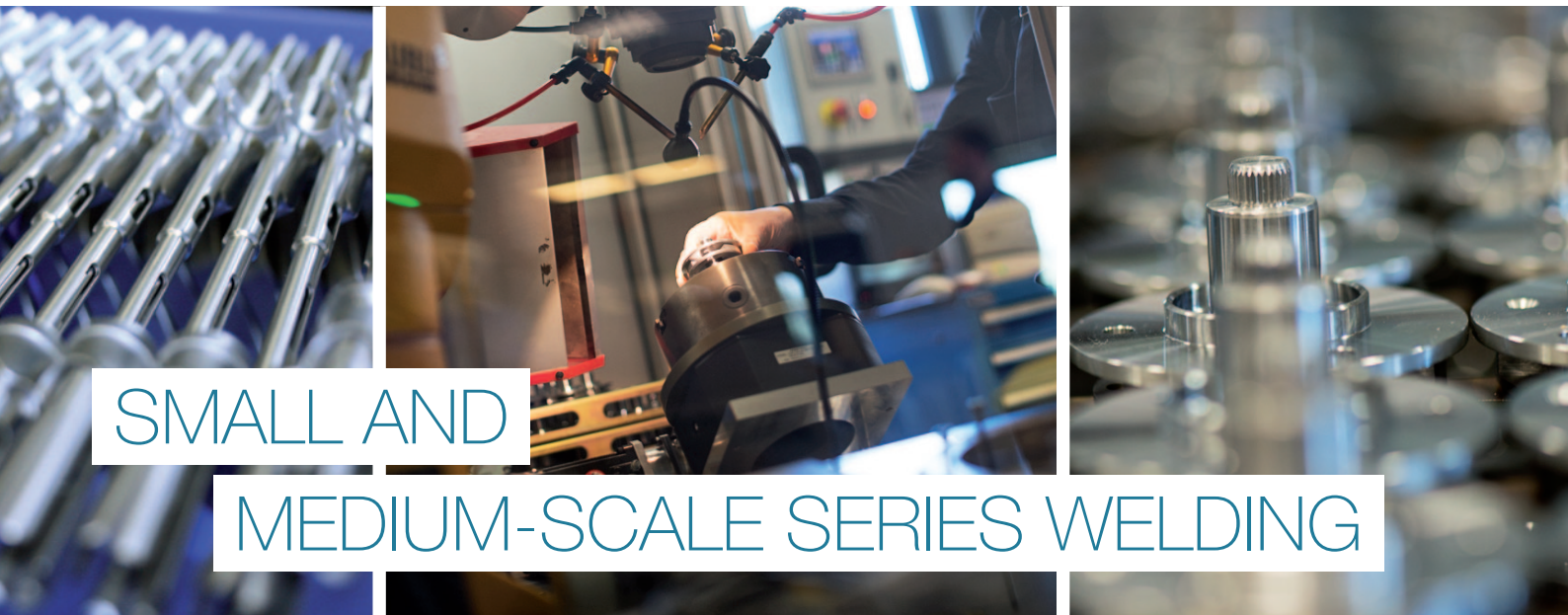


SMALL AND MEDIUM-SCALE SERIES WELDING



**MICROWELD<sup>®</sup>**

L A S E R   W E L D I N G   &   M A R K I N G



SMALL AND

MEDIUM-SCALE SERIES WELDING

## PARTNERING YOUR PROJECTS

Our engineers and technicians study your requests and devise optimal technical solutions, thereby constantly improving the process and productivity.

## OUR PRODUCTION METHODS

We are committed to offering you reactivity, quality, technicality and advice, **and day by day we will meet your specifications, quality requirements and production constraints.**

Our new generation NC equipment is comprehensive and diversified, and enables us to assemble metal (steel, stainless steel, titanium, aluminium) with more exotic materials (kovar, anvar, copper, etc.):

- **our lasers up to 5 kW**, continuous and pulsed: yag, disc, fibre
- welding units with 5 continuous axis equipped with programmable optical sensors and Renishaw probes
- installation of manual supports for laser welding
- robotic laser welding cells: complex welding pathways, on-board components, on-board optical lasers
- dedicated welding station for specific geometrical types

Our mastery of new generation welding techniques, especially robotic laser welding **enables us to perform even the most intricate welding geometries.**

- precision robotic laser micro-welding
- precision laser welding with robotic cells
- pulsed, continuous, disc and fibre laser welding
- combined energy welding
- concentric welding
- TIG, MICROTIG and orbital welding
- micro-plasma welding
- micro-electric welding

Ever since 1997, **we have been building fruitful partnerships with renowned companies** and strengthening our constantly evolving expertise:

- customised work
- micro-mechanics
- repair and maintenance of tooling for plastics, cutting, stamping, etc.
- additional services: packaging, logistics, heat and surface treatment

## REWORKING AND FINISHING

Depending on your request, we offer a wide range of finishings, glossy or matt satin, mirror-polished or brushed: **trimming, brushing, polishing, sand blasting and alumina blasting.**

## FROM WELDING TO TURNKEY DELIVERY

- **component definition**
- **sourcing external operations**
- **assembly / welding**
- **reworking and finishing**
- **laser marking and deep engraving**
- **quality control**
- **delivery**

