

MAPO LASE^REVOLUTION



PRECISION LASER WELDING

From design to series production

Mapo specialises in laser welding and supports the customer through every stage of the project: from technical drawing design to series production.

Our strength is precision: controlled laser welding that is clean and free from deformation, enabling lighter, more efficient and more cost-effective components.

It starts with design

Savings begin right from the technical drawing

Thanks to laser welding, which does not deform the component, it is possible to design thinner thicknesses
and optimise material usage.

This means:

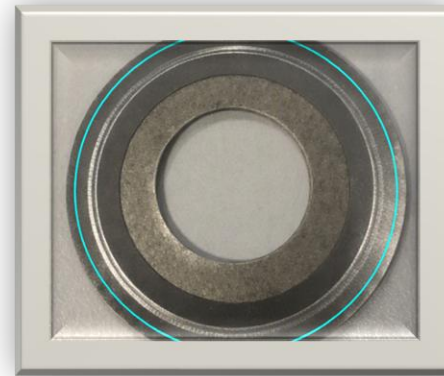
- Less material used
- Lower component weight
- Lower production costs
- Greater design freedom

At MAPO, we don't just weld: we work with the customer to study the most suitable geometry and thickness, in order to make the most of the advantages of laser technology.

Laser welding from 0.1 mm upwards

We weld from 0.1 mm upwards.

Extreme precision that allows us to work even on delicate components, small parts or complex geometries, while maintaining quality and reliability.



Technology and Manufacturing

We operate automatic, semi-automatic and robotic machinery.

This enables us to ensure:

- High repeatability
- Consistent quality
- Flexible production
- Capability to manage both small batches and series production

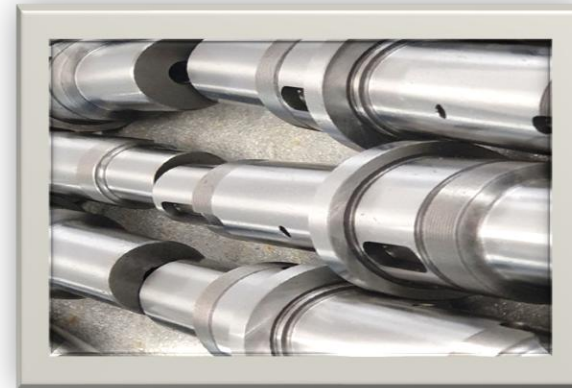


From prototype to full-scale production

We follow the customer throughout the entire journey:

Prototyping → Fine-tuning → Series production

A single partner to turn an idea or a technical drawing into a finished component.



Repair and Reclamation

Another advantage of laser welding is the possibility of repairing broken or defective parts. Nothing is thrown away: we recover the component, avoiding waste and unnecessary costs. A cost-effective solution both economically and environmentally.

Materials

Beyond a range of metals, we also weld aluminium. This enables us to respond to diverse needs and to work on components for different industries and applications.

Certified Quality and Industries Served

MAPO holds ISO 9001 certification for the quality of its work processes and MOCA (IT) certification (FCM), which guarantees the safety and suitability of food-contact materials.



Food
Contact
Materials and Articles

This is complemented by a rigorous control system for welding processes:

- Certified welding inspectors
- WPS certificate (Welding Procedure Specification)
- WPQR certificate (Welding Procedure Qualification Record)
- Certified technical personnel

Thanks to these certifications, we guarantee controlled processes, consistent quality and long-term reliability.

This is precisely why we work successfully in strategic sectors such as:

Medical – Pharmaceutical – Food & Beverage – Automotive – Mechanical Engineering

Why partner with MAPO



➤ Savings and Design

Cost savings right from the design phase - Thinner thicknesses - Laser welding that does not deform
Precision from 0.1 mm upwards.

➤ Production and Services

Automatic, semi-automatic and robotic machines - Support from prototyping to series production
Repair of broken or defective parts - Processing of various metals and aluminium.

➤ Certifications and Quality

ISO 9001 for process quality - MOCA for the food sector - Certified welding inspectors, WPS and WPQR certificates - Certified technical personnel.

➤ Target Sectors

Medical – Pharmaceutical – Food & Beverage – Automotive – Mechanical Engineering.

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