

#Revolution in laser welding

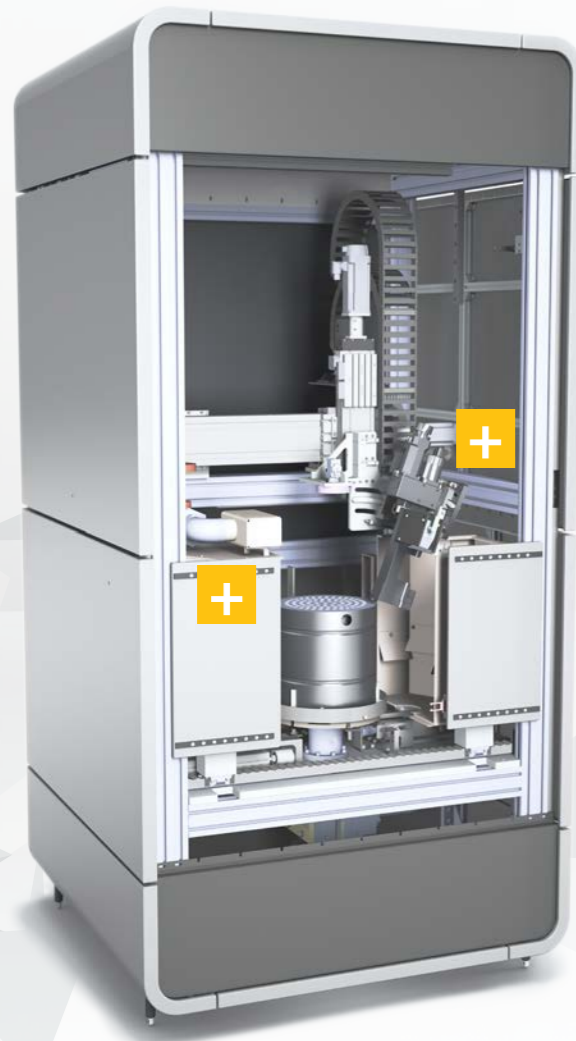


MLS502

Advanced orbital laser
welding solution

MLS502

Advanced orbital laser welding solution



About MLS502:

MLS502 comes with a wide range of laser welding heads. Our goal was to design an orbital welding solution which would be truly versatile and capable of dealing with many various applications. **MLS502, accompanied by the laser source of 10 kW maximum power, can easily manage the welding diameters of up to 500 mm.**

Top benefits:

- + Wide range of laser welding heads
- + Realtime Adaptive Seam Tracking
- + Easy and intuitive setup and operation
- + Orbital laser welding up to 500 mm diameter
- + Vertical and Horizontal versions available
- + Unparalleled intuitive user-friendly (HMI) with ILP Software included
- + Customized tooling

> Find out more at www.myrma.eu

Smart Seam Tracking Module

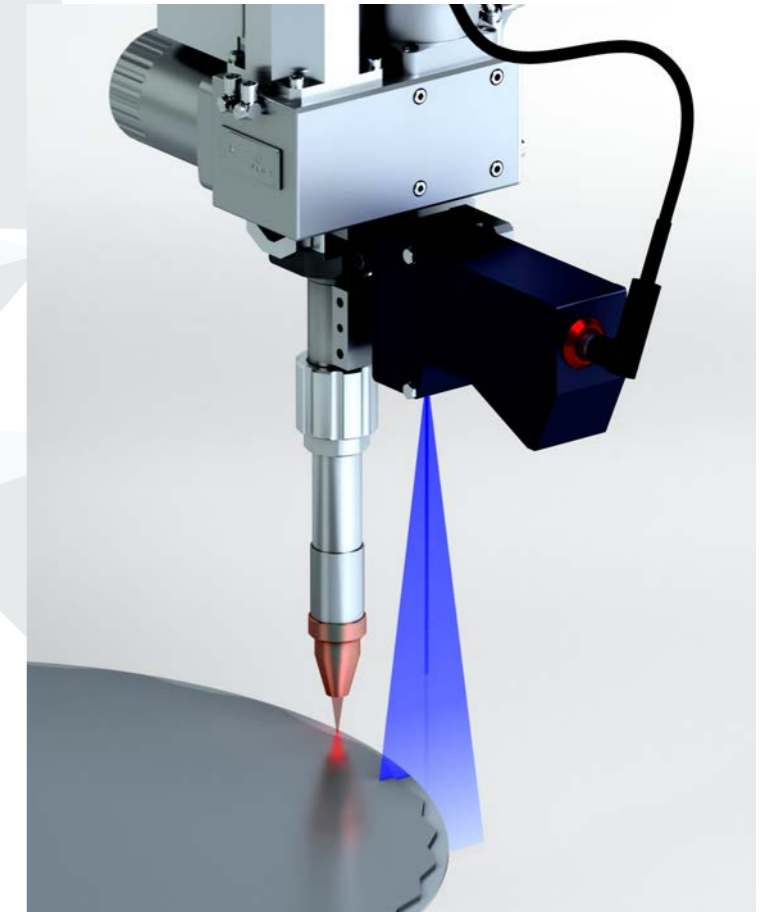
Our module is **extremely cost effective** and at the same time offers enormous welding precision and improved weld quality.

Working Principle

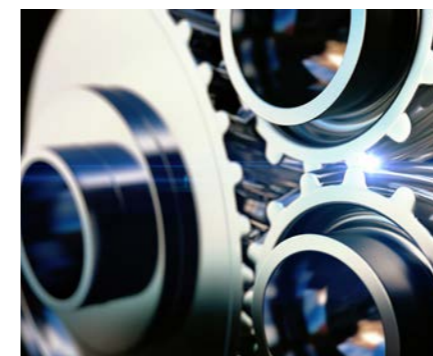
The correct positioning of the laser spot is mandatory for welding integrity. By providing real-time online adjustments it aligns the laser beam position with respect to the work-piece during welding and allows accurate compensation for variations in joint position and fit-up.

Integrity and precision

Smart Welding System adapts the required spot size, shape and laser power according to process specific requirements.



Application Examples



Gears



Brake discs



Shafts

Dimensions



Technical data¹

Product dimensions (W x D x H)	MLS502 - 1298 x 1312 x 2613 [mm] HMI Panel 750 x 400 x 1250 [mm]
Power supply	400 V AC, 50-60 Hz, 10 A
Weight ²	~1 300 kg
Max laser power	10.0 kW (@1070 nm)
Workpiece diameter	Up to 500 mm
Max. Welding Speed	5 m/min
User interface	Unparalleled intuitive user-friendly Human Machine Interface (HMI) integrated with ILP Software
Options	Realtime Adaptive Seam Tracking and customized tooling

¹ Technical data refer to the Vertical version of MLS502
² Standard product weight (without tooling).

#Revolution in laser welding



ROBOTICS
MECHANICS
AUTOMATION

RMA Sp. z o.o.
ul. Chwaszczyńska 133A
81-571 Gdynia
Poland

+48 58 350 65 50

laser@myrma.eu

Find out more at www.myrma.eu