

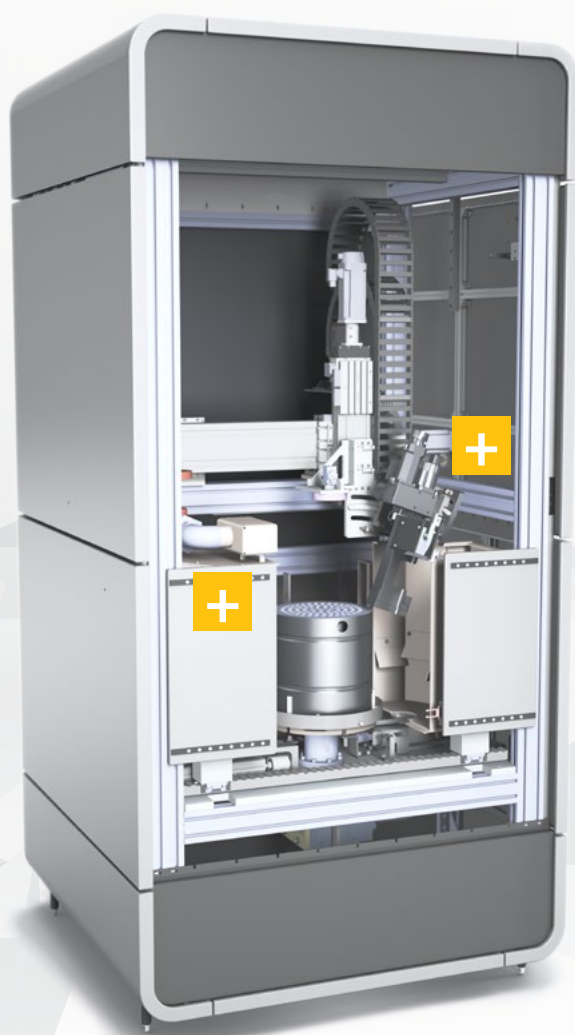
# #Revolution in laser welding



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# 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](http://www.myrma.eu)

# Smart Seam Tracking Module

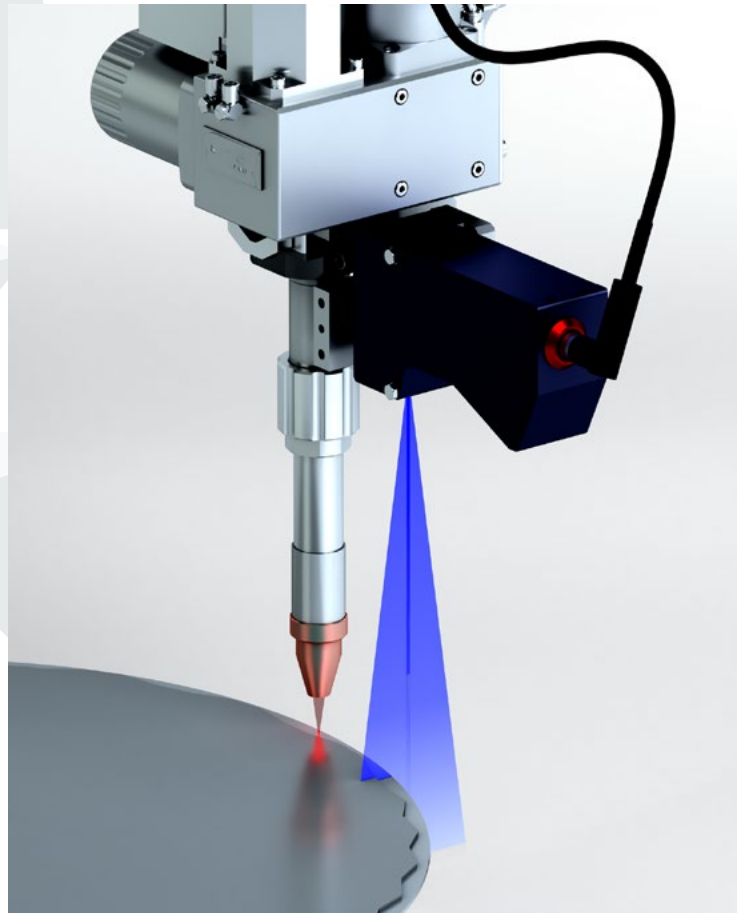
Our module is **extremely cost effective** and at the same time offers enormous welding precision and improved weld quality.

## Working Principle

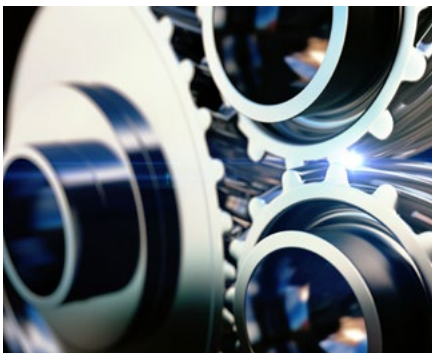
The correct positioning of the laser spot is mandatory for welding integrity. By providing real-time online adjustments it aligns the laser beam position with respect to the work-piece during welding and allows accurate compensation for variations in joint position and fit-up.

## 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 data<sup>1</sup>

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 <sup>2</sup>	~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

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

## #Revolution in laser welding



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