



**#Revolution  
in laser  
welding**



# MLS 1000

Flexible Laser  
Welding Platform

# MLS1000

■ SCOUT laser scan head proudly developed by K-LAB



■ State of the art automated laser welding platform

■ Eye-catching and ergonomic HMI panel

■ Several functional MODULES



## #Revolution in laser welding

Revolution in laser welding is not just a game of words – it is a FACT. Our goal was to design a top-notch automated laser welding system which would combine advanced technology and unparalleled software in a smart and uncompromising way.

Out of the box, MLS1000\* lets you set up an efficient, fast and quality-oriented manufacturing cell – all in a few intuitive steps. MLS1000 has been engineered to withstand the specific requirements of single piece and mass production, both in small and large volumes.

We have succeeded in creating a system that will greatly enhance your production and maximize your revenue streams.

### **Scan & weld**

MLS1000 comes with the SCOUT laser scan head proudly developed by K-LAB. This unique marriage of laser processing guided by ultra precise machine

vision technology offers welding solutions that are impossible to duplicate with existing scan head technology.

Intuitive operation, limitless programming possibilities and user-friendly features allow the MLS1000 to excel in many diverse applications, resulting in reduced set up times and increased productivity.

### **Best software and smart control is the key to success!**

MLS1000 is operated via highly intuitive and configurable software, displayed on an eye-catching and ergonomic HMI panel. The system lets you control, monitor and report your work and also perform maintenance easily. The system is fully touch-controlled and can easily switch between various user profiles (operator, service, production supervisor).

Unlimited space in the library menu allows you to change from job to job with a simple click.

## Flexible and upgradable

RMA is aware that your business is imperative and deserves an individual and specific approach. That's why MLS1000 has been designed with great flexibility and enhanced range of customizations: various laser types, safety options and finally several functional MODULES which are probably MLS's biggest benefit and virtue.

## Let's stay in touch

From the very first contact, our main goal is to deliver the most desirable and efficient solutions for your business. Our engineers will do their best to make sure

your product specification meets with your needs and expectations.

Let us help you with sample processing in our application development lab. We will not only assist you during the purchase and configuration phase, but we will ensure that you remain fully satisfied throughout the whole life cycle of the Product. Our after sales service will impress you. We leave nothing to chance.

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*\* Please check our full MLS-series range (including highly valued and admired MLS 501 and MLS 502)*

## Top benefits

- + Easy and intuitive setup and operation
- + SCOUT laser scan head proudly developed by K-LAB included
- + Several functional MODULES
- + Great flexibility and enhanced range of customizations: various laser types, safety options
- + Simple installation (all-in-one)
- + Eye-catching and ergonomic HMI panel
- + After-sales services and assistance
- + Unparalleled intuitive user-friendly Human Machine Interface (HMI) integrated with K-Draw® Software
- > Find out more at [www.myrma.eu/MLS1000](http://www.myrma.eu/MLS1000)

## Functional modules

### ✓ Push-Pull container



Semi-automatic container with extended work area.

Low Volume Production  
High Mix

### ✓ Conveyor



Conveyor module guarantees uninterrupted big batch production.

High Volume Production  
Flow System

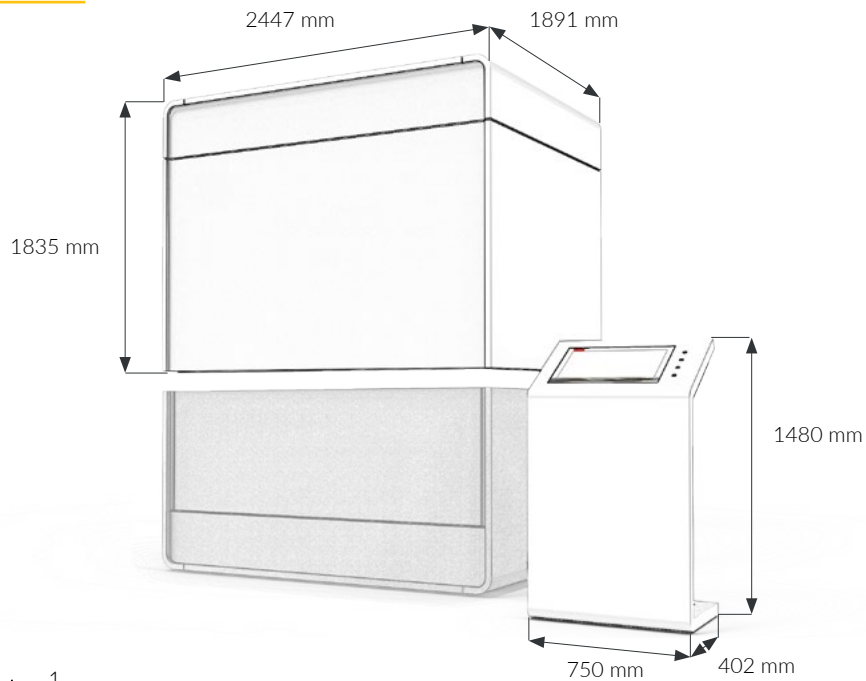
### ✓ Indexing table



Indexing table for increased processing efficiency and control.

High Volume Production  
Customized Fixtures

# Dimensions



## Technical data<sup>1</sup>

Product dimensions <sup>2</sup> (WxDxH)	MLS1000 - 2447x1891x2117 mm
Power supply	Input Power 100~230 VAC, 50/60 Hz / 10A
Weight <sup>3</sup>	~2 040 kg
Max laser power	5.0 kW (@1070 nm)
Work area (X, Y, Z)	Up to 1600 x 600 x 450 mm
Max. Welding Speed	0.7 m/s
User interface	Unparalleled intuitive user-friendly Human Machine Interface (HMI) integrated with K-Draw <sup>®</sup> Software
Options	Various safety and design customization options
Available modules	Push-Pull container, Conveyor, Indexing table

<sup>1</sup> Some technical data may change due to development.

<sup>2</sup> Standard product dimensions (without functional module).

<sup>3</sup> Standard product weight (without functional module).

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