



**#Revolution
in laser
welding**



MLS 1000

Flexible Laser
Welding Platform



#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 for small and big volumes.

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

Scan & weld

MLS1000 comes with 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 production.

Best software and smart control is the key to success!

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

Unlimited storage in the menu library allows you to change from job to job with the simple click

Flexible and upgradable

RMA is aware that your business is imperative and it deserves an individual and specific approach. That's why MLS1000 has been designed with great flexibility and enhanced scope 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 is commensurate with your needs and expectations.

Let us help you with sample processing in our state of the art application development lab. We will not only assist you at the purchase and configuration phase, but will make sure you stay fully satisfied during the whole life cycle of the Product. Our after sales service will impress you. We leave nothing to chance.

* 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 laserscan head proudly developed by K-LAB included
- + Several functional MODULES
- + Great flexibility and enhanced scope 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

Functional modules

✓ Push-Pull container



Semi-automatic container with extended working field.

Low Volume Production High Mix

✓ Conveyor



Conveyor module to ensure continuity of big lot production.

High Volume Production Flow System

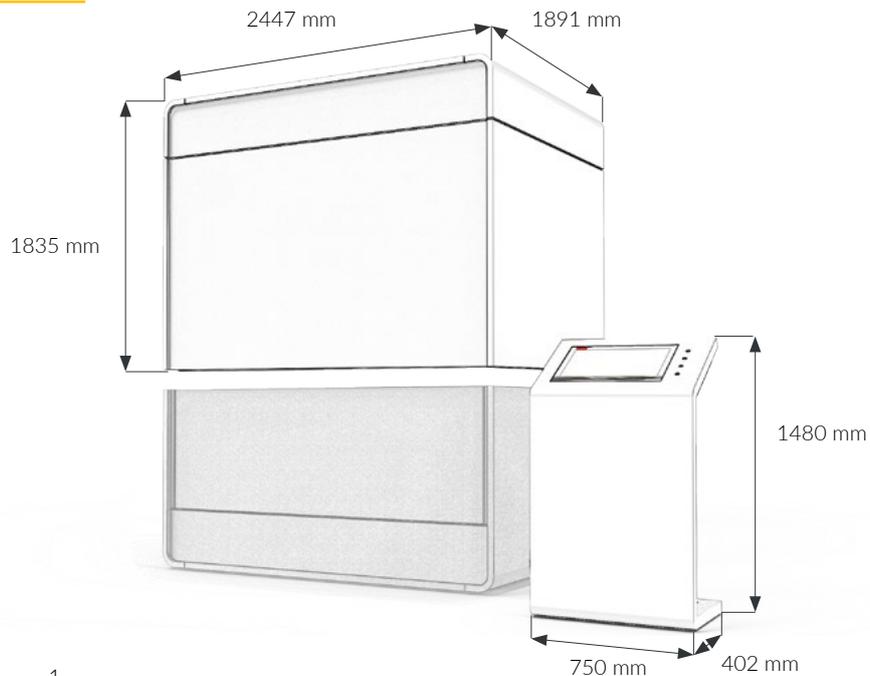
✓ Indexing table



Indexing table for increased process efficiency and control.

High Volume Production Customized Fixtures

Dimensions



Technical data¹

Product dimensions ² (WxDxH)	MLS1000 - 2447x1891x2117 mm HMI Panel - 750x402x1480 mm
Power supply	Input Power 100~230 VAC, 50/60 Hz / 10A
Weight ³	~2 040 kg
Max laser power	5.0 kW (@1070 nm)
Working field (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® Software
Options	Various safety and design customization options
Available modules	Push-Pull container, Conveyor, Indexing table

¹ Some technical data may change due to development.

² Standard product dimensions (without functional module).

³ Standard product weight (without functional module).

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> Find out more at www.myrma.eu/MLS1000