

iLaserBox

SAFE SOLUTIONS TO INDUSTRIAL MARKING

The iLaserBox range of laser workstations from Macsa comprises a family of products that ranges from a small, benchtop model to a large floor standing unit that features X&Y axes for semi-automatic operation.

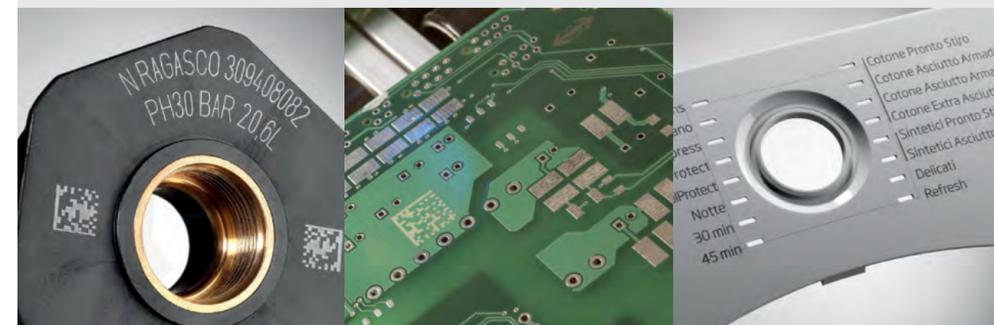
All workstations are class I laser-safe enclosures that have been ergonomically designed to be compact, affordable and easy to use.

integra
by Macsa id

The modular software to control, manage and optimize the production line.

integragnet 4.0
Your passport to Industry 4.0

Solutions offering predictive maintenance monitoring, remote assistance and production support services.



		iLaserBox 450	iLaserBox 600	iLaserBox 1000
Dimensions (LxWxH) in mm		517x450x552/789	750x600x812/1140	1120x1120x2000/2500
Weight (excl. Laser)		89 Kgs	101 kgs	369 kgs
Power requirements		115v - 240v - 50/60HZ		
		Typical	Medium	Maximum
		6A + Laser System Consumption	8A+ Laser System Consumption	8A + Laser System Consumption
Lens - Maximum height (*)	60mm x 60mm	265mm	230mm	580mm
	100mm x 100mm	180mm	150mm	495mm
	160mm x 160mm	50mm	15mm	360mm
	240mm x 240mm	-	-	150mm
Compatible lasers	Nano	Yes	No	No
	Series F	Yes	Yes	Yes
	Series D	Yes	Yes	Yes
Accessories / Options	Internal Light	✓	✓	✓
	Fume Extractor Hoose	✓	✓	✓
	Door	Manual	Automatic	Automatic
	Powered Z Axis	✓	✓	✓
	Programmable Z Axis	0	✓	✓
	Removable Side Panel	✓	x	✓
	Vision System	✓	✓	✓
	Rotary Axis	x	✓	✓
	XY Axis	x	x	0
Software	Scanlinux V5.3.1 and later			
	Marca Software V5.7.7.1 and later			
	Internal Barcode			
Interface for user	21CFR Part 11 software			
	PC, touchscreen display			
Environmental conditions	From 15° C (59°F) to 40°C (104° F) - External temperature			
	Humidity < 95% without condensation			
	Vibration free area			

✓ - Included | 0 - Optional | x - Not available

Version MAY 2018

Coding, tracing and marking solutions worldwide



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Macsa id
a code you can trust

iLaserBox

Complete range of laser marking WORKSTATIONS



iLaserBox by MACSA
Complete. Compact. Affordable.

iLaserbox 450

Compact and economical bench top system

iLaserbox 450 has been designed to be compatible with the following models of Macsa lasers, Series F, Series D and Nano.

It is perfect for small to medium sized production and ensures the operator can work safely and in comfort whilst achieving a consistent level of laser marking quality.



iLaserbox 600

Fully featured bench top system

iLaserBox 600 is a fully featured benchtop laser marking workstation designed for operation with the Series F and D of laser ranges from Macsa.

It is suitable for medium to high production rates.

Not only will your throughput increase but also your flexibility and marking quality together with the safety, well-being and comfort of your operator.



iLaserbox 1000

Floor standing system that configurable with different options.

iLaserBox 1000 workstation is a floor standing unit that has been designed for both seated and standing operation.

The workstation is fully compatible with the Series F DUO and Series D DUO ranges of Macsa lasers.



Benefits:

- Guarantees safety and well-being of the operator.
- Optimizes space utilization in your factory
- Ensures consistent and high precision marking results
- Includes the facility to mark oversized parts
- Easy installation and setup with maintenance free operation

Special features:

- Laser safe Class I enclosure
- Compact and ergonomic design
- Class IV override mode
- Red pointer for easy placement of parts
- Motorized Z axis for easy adjustments of laser with a T slot base for attaching custom tooling.
- Internal light for optimum visibility



Benefits:

- Marks different products with minimal set-up time thanks to automatic adjustment of the laser to a pre-programmed Z-position
- Ensures the safety and well-being of the operator.
- Achieves consistent and high precision marking results
- Minimizes part setup times with programmable Z-Axis
- The automatic door reduces the risk of repetitive stress injuries to the operator
- Easy installation and set-up.
- Includes an option for the installation of a rotary axis for marking cylindrical components.
- The wraparound door provides unencumbered access for part loading and unloading.

Special features:

- Class IV override mode for marking oversize parts
- Programmable Z axis for quick and precise focal position adjustment for different part sizes.
- Standard configuration includes a programmable Z-Axis and a motorized door.
- 'T' slot tool rail for easy loading of parts
- Port for extraction unit
- Viewing window
- Option for rotary axis to mark cylindrical components

Benefits:

- Provides a laser safe Class I enclosure for the safety and well-being of the operator.
- Facilitates marking of large workpieces
- Achieves consistent and high precision marking results
- Improves throughput due to Programmable Z-Axis and step and repeat option
- Includes option for additional X/Y axes enabling semi-automatic operation to optimize operator productivity
- Provides option for operator to be seated or standing for comfortable operation.
- Side doors can be removed for easy integration into production lines

Special features:

- Automatic door opening when marking is finished (can be deactivated)

- Programmable Z axis for quick and precise focal position adjustment for different part sizes.
- 'T' slot tool rail for easy loading of products
- Ergonomic computer arm is provided four mounting a laptop or the display and keyboard from a desktop computer.
- Port for extraction unit
- Viewing window
- Option for additional X/Y axes to enable 'Step & repeat' operation.
- Option for rotary axis to mark cylindrical components
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