TECHNICAL DATA

MODEL		iCON 3	
IMAGE			
SYSTEM	Power	10 W	30 W
WAVELENGTH		10,6 microns for BIO materials	
MAINS SUPPLY		100/240 V AC 50/60 Hz	
		(1 Phase + N) 300 VA	(1 Phase + N) 650 VA
COOLING		Air	
DIMENSIONS (AxBxC)		603x118,5x190 mm	650x169,2x235 mm
WEIGHT	Net Weight	10 kg	18,5 kg
	Gross Weight	12 kg	21 kg
SYSTEM		Laser, scanners, power supply unit, control electronics and CPU in the laser system	
OPTICS	Marking Area	35x35 mm	
	Working Distance	95 mm	
	Focal Length	100 mm	
	Beam Diameter	463 µm	648 µm
	Power Density	5,9 kW/cm2	9,1 kW/cm2
	Beam Exit	at 90 °C	
MARKING HEAD		CO2 Sealed Tube CW	
		RF Technology	
CONTROL	Touch Screen TSL-V3	Opt.	Opt.
	PC with Marca Software	Opt.	Opt.
SOFTWARE	ScanLinux	Std.	Std.
	MarcaTouch OS 2.00	Opt.	Opt.
	Marca Full Graphics PC Softw.	Opt.	Opt.
	TCPIP Protocol	Std.	Std.
	Internal Barcode Generator	Opt.	Opt.
ACCESSORIES/OPTIONS		Touch Screen terminal for Icon3 - Photocell Kit- Photocell - Encoder Kit- Alarm kit- Smoke Extractor - Plexiglas Protection - Floor Bracket - U-ARM Mounting Bracket - Back Pack - Tripod Floor - Stand - Horizontal tripod grip - Vertical tripod grip - Table protection - Marking papers - Safety glasses - Focal distance pointer	
ENVIRONMENTAL CONDITIONS		10 °C (50 °F) to 40 °C (104 °F) external temperature	
		Relative humidity <95 %, non-condensing	
		Vibration-free area	

Macsa ID Headquarters
Tel: +34 938 738 798
Spain

Macsa ID UK
Tel: +44 (0)1462 816091

Macsa ID Portugal
Tel: +351 229962204

Macsa ID Malaysia
Tel: +60 355251608

Macsa Coding Technology (China) Co, Ltd
Tel: +86 0755-23611591

www.macsa.com

macsa@macsa.com

Macsa id
a code you can trust

iCON 3

10W | 30W

100% sustainable small character coding laser by Macsa id

One platform, multiple substrates

CO2 lasers used in higher speed packaged goods applications including boxes, bottles and blister packs. They provide legible markings of the highest quality, which are permanent and sustainable in all production environments. Available in different powers in order to mark a wide variety of substrates such as cardboard, glass,ceramics, PET and PVC in the FMCG markets.

PRODUCT BROCHURE

iCON 3 & SPA2 are much more than a laser system

The iCON 3 & SPA2 range of laser coders is the next generation of Macsa's successful SPA, Smart Packaging Application, laser platform. The SPA2 range adds more power options including pulsed CO2 lasers.

SPA2
SMART PACKAGING APPLICATIONS

iCON 3 a new improved version of the icon

SMART | CLEAN | AFFORDABLE

FAST AND POWERFUL

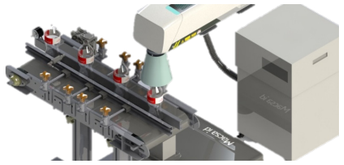
The iCON 3 is a sprinter. It uses high-performance lenses, powerful hardware (both 10W and 30W versions are available) and advanced software that allow the laser to handle the high speeds of most packaging production lines.

SUSTAINABLE

There is no waste and there are no emissions. With the iCON 3 you can minimize your impact on the environment and maintain clean working conditions, helping to comply with environmental regulations and social corporate responsibility.

EASY TO USE

Anyone can use the iCON 3 thanks to its new colour touch screen and more intuitive menudriven software. A new Wizard tool allows easy configuration of the laser through a simple step-bystep process.



ACCESSORIES

Macsa provides a wide range of accessories to integrate the iCON 3 to any type of equipment, adapting the laser system to the needs of most packaging production lines.

FULL SECURITY

Laser marking is permanent and indelible. In this way the printed code cannot be altered or manipulated, thus ensuring product traceability throughout the manufacturing process and supply chain.

The latest Macsa technological innovation in your hands

The new handheld terminal is one of many important improvements delivered by the iCON 3. It is more than a touch screen: it is your point of access to the power and full functionality of the laser and to information related to your production line.

The iCON 3 is much easier to use thanks to the new, more intuitive software and visual aids in on-line video format with which anyone can master the iCON 3 quickly and without prior technical knowledge.

NEW WIZARD

This reduces laser set-up time thanks to a step-by-step guide. Operator time to configure a new system can be reduced by up to 90% by avoiding the trial and error system of other equipment.

NEW TEMPLATES

The iCON 3 incorporates many new templates including barcodes, expiry dates, QR codes and Datamatrix. These can reduce message creation times by up to 50%.

MAINTENANCE VIDEO TUTORIALS

The iCON 3 video tutorials available through the new handheld terminal guide the operator in the maintenance of the laser, graphically and intuitively. By optimizing the operation and efficiency of the laser, maintenance time should take no more than 5 minutes.

EFFICIENCY AND MAINTENANCE

You can control the efficiency of your equipment and the maintenance of your iCON from the same touch screen.

NO CONSUMABLES

The iCON 3 uses neither ink nor solvents and this reduces running costs significantly as there is no need to budget for consumables. In addition to a cleaner and more hygienic working environment, the lack of solvent related carbon emissions and harmful waste also mean that production lines will be environmentally compliant.

FULLY AFFORDABLE

The iCON 3 is unique. Price is no longer an excuse for not choosing laser technology. The iCON 3 is a high quality laser at a very competitive price. After just over one year the laser will have cost less than an inkjet system.

* Total cost of ownership based on printing a 2-line message of 20 characters (10 per line), 100 products per minute, 2 shifts per day, 5 days per week.

COMPACT AND VERSATILE

Because of its size and compact design, the iCON 3 can be adapted to any installation. It is suitable for dynamic and static applications. The new iCON 3 display enables easy control even when the laser is difficult to access directly

REALLY RELIABLE

The iCON 3 can be trusted. It is based on Macsa ID's more than 30 years of experience in laser technology. Its reliability means that maintenance and repair costs are kept to a minimum. In addition, it works with most packaging substrates: labels, cardboard boxes, a wide range of plastics, glass, wood and textiles.

PERMANENT AND CRISP CODING

There are no surprises. The iCON 3 laser marking is permanent throughout the life of the product and does not smudge like inkjet. Capable of consistently producing unique and highly defined marks such as QR codes, the iCON 3 can help to enhance customer engagement.

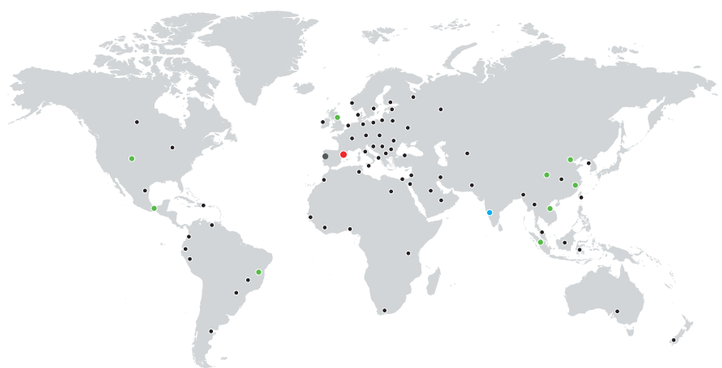
Why Macsa id?

Macsa id is one of the 4 leading companies in the world in coding and marking lasers. It offers the widest range of lasers to code and mark both in the productive sectors (food, beverages, pharmaceutical, healthcare, cosmetics ...) as well as in the industrial ones (industry, automotive, aeronautics, defense, construction materials ...).

Macsa id is recognized as a world leader in technological innovation in lasers for marking and coding. The company invests more than 10% of its turnover in R&D every year.

Macsa id in more than 80 countries

- MACSA Headquaters
- MACSA Branch Offices
- MACSA Distributors
- MACSA JV



ecoding
Driven by Nature

NO CONSUMABLES
A clean technology that does not produce waste.

ENVIRONMENT FRIENDLY
No harmful emissions are generated, thus benefitting the work environment and the planet.

CLEAN
For a cleaner and healthier workspace.

ENERGY EFFICIENT
Maximum quality and coding speed with just the right amount of energy.