

# YOUR CHANCE TO CHANGE



**iCON** by **MACSA**  
Clean. Fast. Affordable.

**Macsa id**<sup>®</sup>  
a code you can trust

# iCON by MACSA

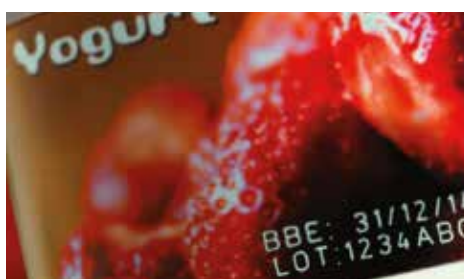
## THE SPECIFIC SMALL CHARACTER LASER CODER



- iCON does not use ink. This means very low costs: no consumables budget and no ink system to maintain.
- iCON is unique. Now price is no longer a reason not to use a laser. iCON by Macsa delivers top quality performance at a competitive price.
- iCON will go anywhere. It is small and compact so it can be installed in the most difficult locations. And because it is a laser it can code onto both stationary and moving products. An external controller can be connected if necessary.
- iCON can be trusted. Because it is based on Macsa's 25 years experience in laser technology it is very reliable; maintenance and repair costs are minimal.
- No surprises. An iCON print is a permanent print which will last for the lifetime of your product. And it is consistently high quality not dotted like an inkjet; moreover it works with most substrates from labels and cartons through a range of plastics to glass, wood and textiles.
- iCON is a sprinter. It uses high performance optics, powerful hardware and advanced, low overhead software to enable its core laser to meet the speeds of most production lines.
- No unwanted ink deposits and no solvent emissions. iCON enables you to keep your environment clean and minimise your carbon footprint.
- Anyone can use iCON. There is an integrated colour touch screen and the interface is intuitive with context sensitive menus which make it easy to navigate. New users learn quickly.
- No ink means no mess and a cleaner, more hygienic production environment.

# DEVELOPED FOR SMALL CHARACTER CODING APPLICATIONS

IN PACKAGED GOODS.



ICON MARKET  
INDUSTRIES

- Food
- Pharmaceuticals
- Beverage
- Personal care
- Packaging
- Tobacco



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# MACSA

A CODE YOU CAN TRUST



Macsa is a leading global supplier of coding and marking laser equipment and label printer applicators. It supplies customers, including multi-nationals and OEMs, in packaged goods and industrial markets world-wide.

Macsa's laser product range includes CO<sub>2</sub>, YAG and fiber lasers.

- The CO<sub>2</sub> range includes the iCON laser coder: a cost effective alternative to continuous inkjet printers; and
- The YAG and fiber ranges include the NANO industrial lasers: attractive, all-in-one alternatives to more expensive systems.

Macsa's products are easy to install and easy to use.

Macsa software enables users of Macsa's lasers to develop messages, communicate across networks and operate their lasers. They may be controlled using a touch screen controller. The iLASERBOX laser marking workstation provides a safe operating environment for small semi-manual YAG and fiber applications.

Macsa's label applicator range includes the mLABEL series of modular label and label printer applicators and the iLABEL laser print and apply labelling system.

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# iCON LASERS ARE EASY TO BUILD

iCON by Macsa is a specialist small character coding laser which eliminates the cost advantage often associated with inkjet printers.

**iCON is compact, clean, fast and easy to use;** and best of all, it uses no consumables. Move on from inkjet and change to iCON.

## CONTROL UNIT

New user-friendly interface with an integrated 14cm high-resolution colour touch screen. Windows CE based context sensitive menus to input and edit messages and to set laser parameters.

## AIR FILTERS

Innovative air-filter design. Easy replacement without need to access the laser. Efficient operation in difficult environments.

## INTERFACE PANEL

Multiple connections including power supply, photocell, shaft encoder, remote input/output and external controller.



## iCONnet

With ethernet communication.

## EMERGENCY STOP

Quick and easy access to emergency stop button in compliance with laser safety regulations.

## LED STATUS INDICATOR

Three colour LED to indicate laser status.

**Green:** laser ready to print.  
**Blue:** laser printing.  
**Red:** alarm; laser unable to print.



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# iCON LASERS ARE EASY TO INSTALL

- All in one box
- Small size and compact system
- Low weight
- Easy connectivity
- Air cool system, not external compress air required, not water cooling system
- Reliable in any environment
- Adaptable and flexible holding system



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# iCON LASERS ARE EASY TO USE

Take advantage of all its features. Create, edit messages and control the iCON laser system using the integrated touch screen. It is totally intuitive.



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# iCON LASERS ARE EASY TO SERVICE

The latest in laser technology along with the fact that it does not need expensive spares results in a laser coding system that requires little maintenance and minimal operational costs. No headaches.



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# iCON LASERS ARE EASY TO BUY

**TRULY RELIABLE** (1)  
iCON can be trusted.

**PERMANENT  
QUALITY MARKING** (2)  
No surprises.

**FAST** (3)  
iCON is a sprinter.

**ECOLOGICAL** (4)  
No unwanted ink  
deposits and no  
solvent emissions.

**EASY TO USE** (5)  
Anyone can use  
iCON.

**CLEAN** (6)  
No ink means no  
mess

**NO  
CONSUMABLES** (7)  
iCON does not use  
ink.

**TOTALLY  
AFFORDABLE** (8)  
iCON is unique.

**COMPACT AND  
VERSATILE** (9)  
iCON will go  
anywhere.



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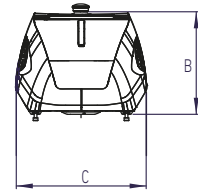
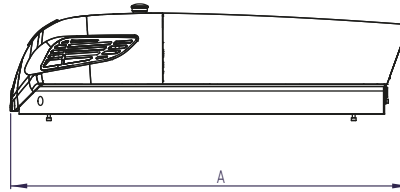
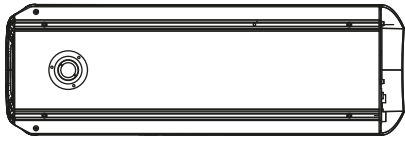
# iCON LASERS ARE EASY TO PARTNER

MACSA laser systems provide the most advanced technical and appropriate solutions to cover a great number of applications in a wide range of materials.

MACSA experience comes from more than 100 years in business and 25 years of experience in laser technology and more than 70 distributors around the world, ready to offer the right solutions to customer demands.



iCON



SYSTEM TYPE				i-1010	i-1010.net	i-1030	i-1030.net
POWER				10W		30W	
WAVELENGTH				10.6µm			
MAINS SUPPLY				115V / 230 V 50/60 Hz			
				(1 Phase + N) 300VA		(1 Phase + N) 650VA	
DIMENSIONS (AxBxC)				632.5mm x126mm x183mm		725mm x186mm x237mm	
WEIGHT				Net weight: 10Kg Gross weight: 12Kg		Net weight: 22Kg Gross weight: 25Kg	
SYSTEM				Laser, scanners, power supply units, control electronics and CPU in the laser system			
OPTICS	Work distance (mm)	Focal distance (mm)	Marking area (mm)	Beam diameter (µm)	Power density (kWcm <sup>2</sup> )	Beam diameter (µm)	Power density (kWcm <sup>2</sup> )
	95	100	30x30	<324 -S	24.3	<324 -S	72.8
µm: microns    S: standard    O: optional    Built for marking at 90°							
MARKING AREA INDICATOR AND FOCAL LENGTH INDICATOR				OPTIONAL			
SOFTWARE				<ul style="list-style-type: none"> <li>• ScanLinux V5.2.7 and higher</li> <li>• Marca Lite software (only net model)</li> </ul>			
USER INTERFACE				<ul style="list-style-type: none"> <li>• Touch screen (included)</li> <li>• PC (only net model)</li> </ul>			
CONTROL				<ul style="list-style-type: none"> <li>• Touch screen with ScanLinux software.</li> <li>• MarcaLite® software, with security key and Ethernet (TCP / IP) cable connection (net model only)</li> </ul>			
MARKING HEAD				<ul style="list-style-type: none"> <li>• CO<sub>2</sub> sealed laser tube.</li> <li>• RF Technology</li> <li>• Wavelength: 10.6 µm</li> </ul>			
ACCESSORIES / OPTIONS				iCON touch screen terminal – Photocell kit - Photocell - Encoder kit - Alarm Kit - Fume extractor - Plexiglass protection - Ground support - U-ARM assembly support 45x45 - Back pack - Tripod floor stand - Horizontal tripod grip - Vertical tripod grip - Table protection - Marking papers - Protection goggles- Focal distance indicator			
ENVIRONMENTAL CONDITIONS				<ul style="list-style-type: none"> <li>• 10° C (50° F) to 40° C (104° F) external temperature</li> <li>• Humidity &lt; 95%, without condensation</li> <li>• Vibration free area</li> </ul>			

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