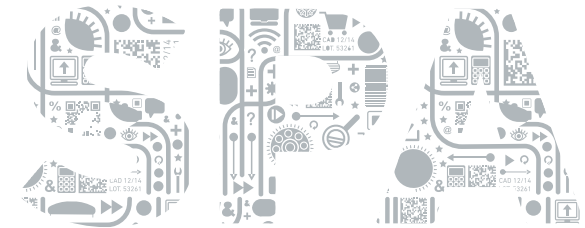




## SPA C - Codierlaser

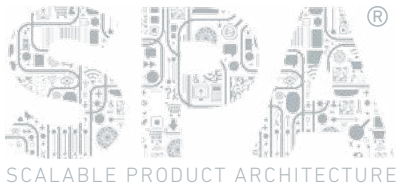
Präzise und schnelle  
Laserbeschriftung



THE FIRST MODULAR LASER  
THAT GROWS WITH YOUR NEEDS

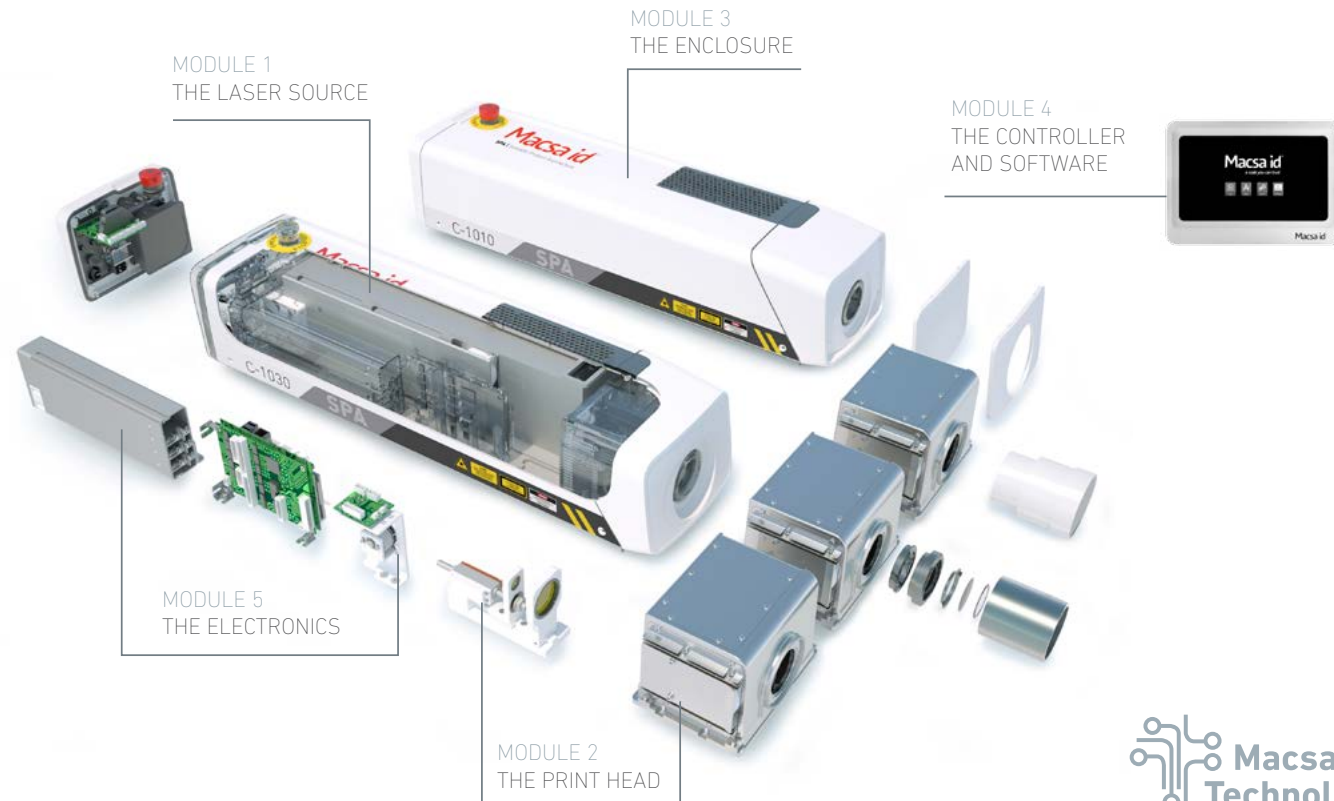
**SPA C** by **MACSA**

Modular. Better. Complete



## THE FIRST CODING AND MARKING LASER THAT GROWS WITH YOUR NEEDS

The new SPA lasers by Macsa simplify everything: the modular system will allow you to meet your present and future coding and marking needs. SPA lasers becomes a more functional investment than other equipments as it may be adapted, module by module, to the specific needs of your production line.



SPA IS MUCH MORE THAN A LASER SYSTEM. LET US SHOW YOU HOW IT CAN HELP IN CODING AND MARKING YOUR PRODUCTS.



## RELIABILITY

The SPA laser by Macsa complies with **IP54** guidelines, ensuring it stays sealed in dusty environments. It is also cooled via a reverse air circuit (**RAF®**) which keeps the inside free of dirt and dust. The lenses receive a constant airflow that keeps them free from dust and impurities that can distort the marking.



## PRECISION

SPA lasers have higher-quality lenses and a **Vibration Compensation System (VCS®)** to ensure high-resolution marking even on high-speed production lines.



## VERSATILITY

The modular system on which SPA laser is based, enables it to easily adapt to the needs of every production line or marking type. Its modular design makes it easy to perform tasks such as installing lenses, changing heads (**EEPs®**) and printing on curved or uneven surfaces using **3D printing** options.



## SIMPLICITY

**Marca software®** that controls the laser has been redesigned to be truly easy to use and to provide operators with the maximum number of options in terms of designing the message and controlling the unit. SPA lasers are provided with videos and help material to facilitate its installation and integration. It includes Full Graphics Interface.



## CONNECTIVITY

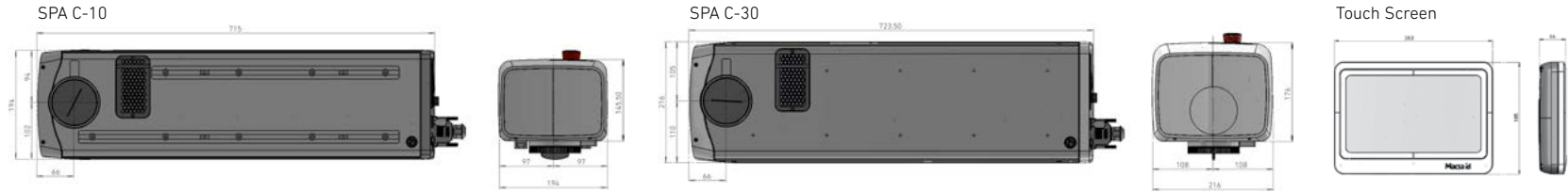
SPA lasers can work individually but they can also work in team: **OPTIMA** for a full real-time control of the production of your company; **NICE LABEL** to design, create and print labels; **iLABEL SYSTEMS** to print & apply wherever you want; **REMOTE CONTROL** to set the device remotely by a Macsa technician.



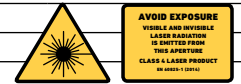
## ADAPTABILITY

The needs of production lines change (more speed, new materials, more complex graphics and messages, etc.), which is why Macsa gives you a wide range of **essential and extra accessories** to optimise the laser's performance and allow it to be optimally integrated into the needs of your production line.

**SPA C**



SYSTEM TYPE		SPA C-10 NXT		SPA C-10 NXT Plus		SPA C-30 NXT		SPA C-30 NXT Plus	
POWER		10 W				30 W			
WAVELENGTH		10,6 µm (For Bio Materials) / 10,2 µm (Laminated Film) / 9,3 µm (PET Bottles)							
DIMENSIONS		145.5 x 194 x 715 mm				176 x 216 x 723.5 mm			
WEIGHT		Net: 17kg ; Gross: 20 kg				Net: 25 kg ; Gross: 28 kg			
SYSTEM		Laser, Scanners, Power Source, Controls Electronics and Computer built into laser tube							
POWER		AC 100~120V // AC200~240 V (50/60Hz)							
CONSUMPTION		300 VA				600 VA			
OPTICS									
WD / FD	Marking Area	Spot Size (µm)	Power Density (KW/cm²)	Spot Size (µm)	Power Density (KW/cm²)	Spot Size (µm)	Power Density (KW/cm²)	Spot Size (µm)	Power Density (KW/cm²)
55 / 65	40 x 40	301	28	150	113	301	84	150	338
85 / 95	60 x 60	385	17	192	69	385	52	192	207
115 / 125	75 x 75	506	10	253	40	506	30	253	119
150 / 160	100 x 100	648	6	324	24	648	18	324	73
230 / 240	150 x 150	-	-	486	11	-	-	486	32
310 / 320	200 x 200	-	-	648	6	-	-	648	18
400 / 410	250 x 250	-	-	830	4	-	-	830	11
SOFTWARE		ScanLinux V5.2.7 and later // Marca Software 5.6.9a and later							
USER INTERFACE		"MultiTouch Screen 10" // PC with Marca Software Lite or Marca Software Full Graphics"							
CONTROLLED BY		Hand Held Terminal with ScanLinux software // Touch Screen with ScanLinux software // Full Graphics Interface: includes Marca™ software, dongle and Ethernet cable (TCP / IP) // Marca Lite Software: includes Marca™ software, dongle and Ethernet cable (TCP / IP).							
CONNECTIVITY		" 1x USB Port Type A for Files and Config Transferences // 1x Mini USB Port Type B for Touch Screen // 1x RJ-45 Ethernet Connector for TCP/IP Communication"							
SIGNALS CONTROL		Flexible Input/Output Connections: 12 Programmable Inputs // 4 Programmable Outputs							
SAFETY		Automatic Electromechanical Shutter							
PROTECTION		IP54 (IP65 Optional)							
ACCESSORIES / OPTIONS		Diode Pointer Marking Area Indicator - Mounting Bracket - Photocell Kit - Encoder Kit - Beam Expander - Alarm Kit							
ENVIRONMENTAL CONDITIONS		"15°C (59°F) to 40°C (104°F) external temperature // Humidity <95% without condensation // Vibrations Free Area"							



# SIGTECH AG

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