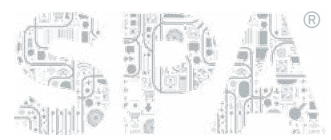


## SPA CIP

# IP65 LASER

Reliability in harsh environments



## SPA CIP

SPA CIP has been designed to operate in wash down, wet and dusty environments, adding complete protection to the laser tube and lenses.

### IP65

SPA CIP is completely protected and watertight from dust and also from water jets in all directions. Thanks to its stainless steel coating makes it a robust and reliable laser in the harshest production environments. Its tightness is a guarantee of reliability.

### High speed

SPA CIP codes and marks information at a very high speed maintaining an excellent definition, without interruptions even in the most hostile conditions

### Environmentally friendly

Laser technology is environmentally friendly as it allows to reduce the costs of consumables, avoids generation of harmful emissions and the consumption of energy is minimum.





## SPA is much more than a laser system

**Precision.** Several features including Macsa's proprietary VCS\* to ensure high print quality even on high-speed production lines.



**Versatility.** Integrated into any production line, it can encode over a wide range of materials using 3D printing options.



**Reliability.** In adverse production environments thanks to IP54 guidelines. It is also cooled via a reverse air circuit which keeps the inside free of dirt and dust.



**Connectivity.** Several softwares which enable it to be operated remotely as well as directly.




**Simplicity.** Videos and help material to facilitate its installation and integration.



**Adaptability.** Wide range of essential and extra accessories to optimise the laser's performance.

## Macsa 4.0 solutions and equipment

PRODUCTS	SERVICES	DATA
Management and control of the line production	Remote support 	Performance control



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



Maintaining Service

Equipment performance

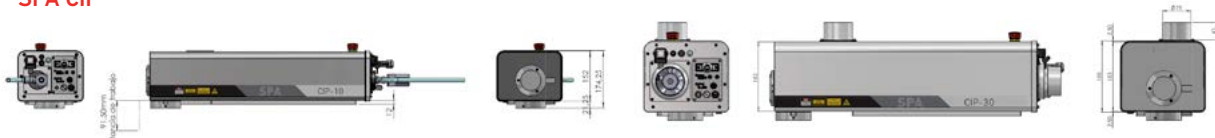
# Macsa id

A CODE YOU CAN TRUST

Coding, tracing and marking solutions worldwide



**SPA CIP**



SPA CIP - 10 & CIP - 30						
MODEL		CIP - 10		CIP - 30		
POWER		10W		30W		
WAVELENGTH		10.6 μm [For Bio Materials] / 10.2 μm [For Laminated Film] / 9.3 μm [For PET Bottles]				
LASER SYSTEM		SPA C - 10		SPA C - 30		
MAINS SUPPLY		100V - 240V 50 / 60 Hz (1 Phase + N) 300 VA		100V - 240V 50 / 60 Hz (1 Phase + N) 600 VA		
COOLING KIT	VORTEX KIT		2,5bar / 400lpm		2,5bar / 600lpm	
	COOLING DRYER KIT		2,5bar / 200lpm		2,5bar / 300lpm	
	FILTERED BLOWER KIT	200 m <sup>3</sup> /h	0,135 KW			
		350 m <sup>3</sup> /h	0,46 KW			
* Important Note		The compressed air must be clean and dry cooled.				
DIMENSIONS		145,5x194x715 mm		176x216x723,5 mm		
WEIGHT		Net weight: 17Kg - Gross Weight: 20Kg		Net weight: 25Kg - Gross Weight: 28Kg		
SYSTEM		Optics, laser, galvanometric scanners, control and power electronics, drivers of the digital scanners, CPU, power supplies and laser source built in a single block.				
FOCAL SPECIFIC.	TECHNOLOGY			SPA CIP 65		
				C -	10	30
	MA (mm)	WD (mm)	FL (mm)	BD (μm)	PD (KW/cm <sup>2</sup> )	PD (KW/cm <sup>2</sup> )
	40x40	55	65	150	113	338
	60x60	85	95	192	69	207
	75x75	115	125	253	40	119
	100x100	150	160	324	24	73
	150x150	230	240	486	11	32
	200x200	310	320	648	6	18
	250x250	400	410	830	4	11
LEGEND		WD:Working Distance FL:Focal Length MA:Marking Area BD:Spot Beam Diameter PD:Power Density				
IMPORTANT NOTE		<ul style="list-style-type: none"> <li>Working Distance (WD): The distance between the laser system base and the surface to be marked.</li> <li>Focal Length (FL): The distance between the center of the lens and the surface to be marked.</li> <li>Approximate values: These values are an approximation, and they are different for each laser system, due to the different optical paths.</li> </ul>				
SOFTWARE		<ul style="list-style-type: none"> <li>ScanLinux V5.2.7 and later.</li> <li>Marca Software V5.6.9 and later.</li> <li>Internal Barcode.</li> <li>Marca Lite Software.</li> </ul>				
USER INTERFACE		<ul style="list-style-type: none"> <li>Touch Screen.</li> <li>Hand Held Terminal.</li> <li>PC.</li> </ul>				
CONTROLLED BY		<ul style="list-style-type: none"> <li>Hand Held Terminal with ScanLinux software.</li> <li>Touch Screen with ScanLinux software.</li> <li>Full Graphics Interface: includes Marca™ software, dongle and Ethernet cable (TCP / IP).</li> <li>Marca Lite Software: includes Marca™ software, dongle and Ethernet cable (TCP / IP).</li> </ul>				
ACCESSORIES		Handheld Terminal-Touch Screen Terminal - Beam pointer - Encoder Kit - Photocell Kit - Alarm Kit - Fume Extractor - Mounting support - Mounting Bracket U-ARM - Marking paper - Protection goggles - Cooling Kit: Air/Water, Filtered Blower, Cooling Blower, Vortex, Cooling Dryer or TE Cooling Blower - Warming Blower Kit				
ENVIRONMENTAL CONDITIONS		+15°C [59°F] at 40°C [104°F] external temperature with 50% Duty Cycle or 36°C[100°F] external temperature with 100% Duty Cycle. Humidity between 10% and 95%, without condensation. No vibrations.				



**SPA CIP** by **MACSA**  
Reliable. Better. Complete

**Macsa id**  
a code you can trust

