



SPA F Film

FIBER FILM LASER

Increase production
and reduce costs



SPA F Film

SPA F Film is a Fiber laser for coding and specialized to apply variable information to flexible packaging and other foil, film and plastic coated packaging. It's a cost effective and high quality alternative to the other traditional coding technologies.

Reduction of costs

SPA F Film lasers respond to the needs of the companies to reduce coding costs, reduce plastic waste and enable continuous operations

High Speed and Quality printing

SPA F codes and marks at a very high speed. SPA F Film delivers consistent, permanent and high quality codes, without interruption, even in harsh environments

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 Bradma 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.

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.

BradmaMacsa 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.

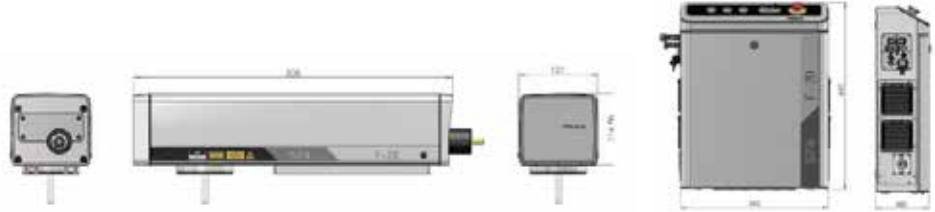


Maintaining Service

Equipment performance



SPA F Film



SPA F-10/F-20/F-50 Film						
MODEL			FILM			
POWER			10W	20W	50W	
WAVELENGTH			1.062 μm			
LASER SYSTEM			F -10 FILM	F -20 FILM	F -30 FILM	
MAINS SUPPLY			100V - 240V 50 / 60 Hz (1 Phase + N) 350 VA	100V - 240V 50 / 60 Hz (1 Phase + N) 450 VA	100V - 240V 50 / 60 Hz (1 Phase + N) 650 VA	
DIMENSIONS		Head	127x114,50x508 mm			
		Cabinet	182x642x505 mm		182x642x505 mm	
WEIGHT			Net weight: 23Kg - Gross Weight: 28Kg			
SYSTEM			Optical isolator and collimator of the laser source, galvanometric scanners built into the marking head. Control and power electronics, drivers of the digital scanners, CPU, power supplies and laser source built into the control cabinet.			
FOCAL SPECIFIC.	TECHNOLOGY		FILM UHS			
			F -	10	20	50
	MA (mm)	WD (mm)	FL (mm)	BD (μm)	PD (KW/cm ²)	PD (KW/cm ²)
	55x55	141	100	27	3482	6964
	100x100	205	163	44	1327	2653
	168x168	347	254	69	540	1079
	212x212	458	346	94	291	582
	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"> Working Distance (WD): The distance between the laser system base and the surface to be marked. Focal Length (FL): The distance between the center of the lens and the surface to be marked. Approximate values: These values are an approximation, and they are different for each laser system, due to the different optical paths. 				
SOFTWARE			<ul style="list-style-type: none"> ScanLinux V5.2.7 and later. Marca Software V5.6.9 and later. Internal Barcode. Marca Lite Software. 			
USER INTERFACE			<ul style="list-style-type: none"> Touch Screen. Hand Held Terminal. PC. 			
CONTROLLED BY			<ul style="list-style-type: none"> 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). 			
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 - Air Cooling 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.			



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