

Macsa id
a code you can trust



SPARK

CLEAN. FAST.
REVOLUTIONARY.

The new SPARK is the result of 35 years of our continuing pursuit of excellence.

Incredibly easy to use, SPARK can be mastered in little to no time. Combining intuitive state-of-the-art software with online tutorial videos, even those without prior technical knowledge can quickly unleash the full potential of SPARK.

The new handheld interface technology is only one of the industry leading improvements. More than just a simple touch screen, it is the gateway to a multitude of features at your fingertips: from total control of the full capabilities of SPARK, to vital information related to your production line.

One platform, multiple substrates

The new SPARK CO2 laser is used in higher speed packaged goods applications including boxes, bottles and blister packs. It provides legible markings of the highest quality, which are permanent and sustainable in all production environments. Moreover, the SPARK laser is capable of marking a wide variety of substrates such as cardboard, glass, PET and PVC in the FMCG markets.



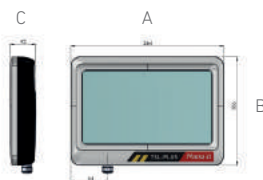
SPARK by **MACSA**
Clean. Fast. Revolutionary.

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MODEL	SPARK	
POWER	10W	30W
WAVELENGTH	10.6µm	
MAINS SUPPLY	115V / 230 V 50/60 Hz	
	(1 Fase + N) 300 VA	(1 Fase + N) 600 VA
DIMENSIONS (AxBxC)	699x196x164 mm	743 x 216 x 176 mm
WEIGHT	Net weight: 10 kgs Gross weight: 12 kgs	Net weight: 18,5 kgs Gross weight: 21 kgs
SYSTEM	Laser, scanners, power supply units, control electronics and CPU in the laser system.	
OPTICS	Beam diameter (µm): > 485	
	Power density (kWcm²): 52	Power density (kWcm²): 156
	Field size: 60x60 mm (2,36x2,36 in) / Working distance: 95 mm / Built in 90° marking	
MARKING HEAD	<ul style="list-style-type: none"> • CO2 sealed laser tube. • RF Technology • Wavelength: 10.6 µm 	
SOFTWARE	<ul style="list-style-type: none"> • ScanLinux V5.6.5 and superior • Marca software 	
USER INTERFACE	<ul style="list-style-type: none"> • Touch screen TSL-V3 • PC 	
CONTROL	<ul style="list-style-type: none"> • Touch screen with MarcaTouch™ OS • Marca® software • TCP/IP Protocol over Ethernet 	
ACCESSORIES / OPTIONS	Touch Screen Terminal for SPARK - Photocell Kit - Photocell - Encoder Kit - Alarm Kit - Fume Extractor - Plexiglas Protection - Floor Bracket - U-ARM Mounting Bracket - Backpack - Tripod floor Stand - Horizontal tripod grip - Vertical tripod grip - Table protection - Marking papers - Safety glasses	
ENVIRONMENTAL CONDITIONS	<ul style="list-style-type: none"> • 10° C (50° F) to 40° C (104° F) external temperature • Relative humidity <95%, non-condensing • Vibration-free area 	



CONTROLLER	TSL – V3 Touch Screen
DIMENSIONS (AxBxC)	264x186x45mm
TYPE	Capacitive Touch Screen Display
SIZE	10,1"
	1064 x 600
COLOUR	16,2M
LUMINANCE	340 cd/mq
CPU	MX6ULL 800MHz 128MB DDR
MEMORY	2 GB
VOLTAGE	12 VDC
CONNECTIVITY	Tyco connector

SOFTWARE	MarcaTouch™ OS 2.0 or newer
LANGUAGES	26 languages (English, Arabic, Chinese, Czech, Deutsch, Danish, Finnish, French, Greek, Hebrew, Magyar, Indonesian, Italian, Japanese, Korean, Malaysian, Dutch, Polish, Portuguese, Russian, Serbian, Spanish, Swedish, Thai, Turkish, Vietnamese)
	WYSIWYG technology which displays what is going to be printed.
CABLE LENGTH	1,5m
COVER	Aluminium
IP RATE	IP54
ENVIRONMENT	-20 – 70°C, 80% Humidity



AVOID EXPOSURE
VISIBLE AND INVISIBLE
LASER RADIATION
IS EMITTED FROM
THIS APERTURE
CLASS II LASER PRODUCT
640005-0100

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