

SPARK 10W LASER CODING SYSTEM



Cost-Effective, Performance Driven, Precision Character Coding Laser Solution

The Macsa Spark 10W CO2 laser has been specifically designed for small character coding applications in packaged goods and other industrial products. Featuring high-speed digital galvos and a larger focal range, the Spark laser can mark larger areas faster and more efficiently, providing users with an affordable laser alternative to inkjet without sacrificing performance.

The Spark laser is not only compact and easy to install, but it also requires minimal maintenance. It's a self-contained, cost-effective permanent marking solution that doesn't require additional power sources or auxiliary remote controllers, making it a hassle-free and economical choice.

Simply plug-in and play, making it a fast and sustainable solution for marking on a variety of packaging substrates, such as chipboard, paper, wood, plastics, films, foils, glass, aluminum, and other coated and non-coated metals.

FEATURES AND BENEFITS

- Compact, lightweight and easy to connect – setup wizard reduces overall setup time avoiding trial and error approach of other equipment.
- Fast digital galvos with larger focal range (60mm x 60mm) for even greater marking efficiency and versatility.
- Multi-core processor for greater dependability and faster processing featuring 2GB internal memory for recipe storage.
- Ethernet TCP/IP communications for reliable connectivity and remote control capability and equipment status management.
- Built-in interlocks for added safety protocols for line operators and service technicians when simple servicing is needed.
- Minimal maintenance required – mesh filters for easy cleaning and no harsh chemical solvents or messy inks to hassle with.



High speed coding solution for permanent, tamper-proof coding for product identification, security, and traceability on multiple primary, secondary, and tertiary packaging substrates.



Laser mounting options featuring adjustable integrated stand for both vertical and horizontal mounting that provides maximum installation flexibility and overall laser positioning.

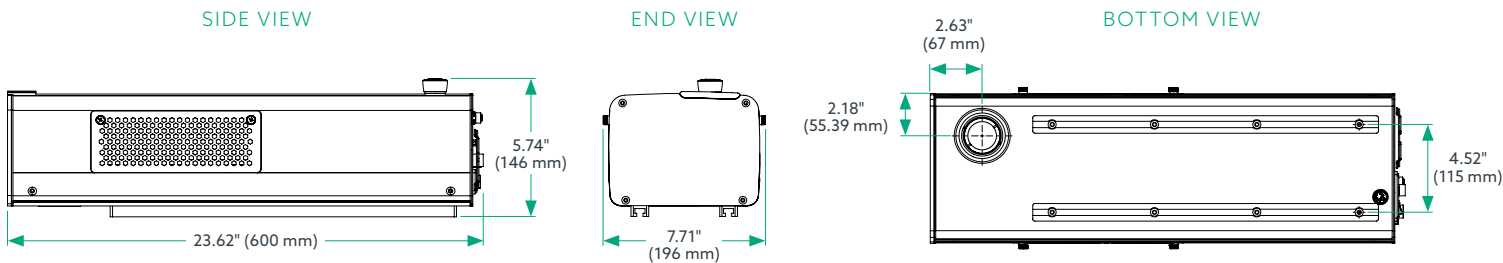


Optional Fumex extractor filters and removes harmful fumes and particulates from the laser marking source while producing positive airflow that cleans and cools the lens and laser for optimum performance.

STANDARD PRODUCT SPECIFICATIONS

Electrical	115V AC / 230V AC 50/60Hz (1 Phase + N) 300 VA	Power	10W	
Dimensions	23.62" (699 mm) x 7.71" (196 mm) x 5.74" (164 mm)	Marking Head	CO2 Sealed Laser Tube / Wavelength: 10.6μm	
Weight	22 lbs (10 kgs)	Optics	Beam Diameter (μm): > 485	
Operating Temp	50°F to 104°F (10°C to 40°C)		Power Density (kWcm2): 52	
Operating Humidity	<95% Non-condensing		Field Size: 60x60 mm (2.36 x 2.36 in)	
			Working distance: 95 mm	
			Built in 90° Marking	

STANDARD CONFIGURATION



SYSTEM OPTIONS

