

DATASHEET

MPERIA® Laser

C02 LASER SYSTEMS POWERED BY MPERIA®

MPERIA® Laser delivers consistent, reliable marking on your production line. Clear, sharp, and permanent marking at high speeds improves uptime in the most demanding environments, while advancing sustainability goals with a consumable-free system.

High Performance Coding

- + 99.9% uptime
- + No consumables to replace
- + Minimal maintenance to perform

Unmatched Performance

- + Laser sharp marking with VCS (Vibration Correction System)
- + Unparalleled precision and permanency regardless of handling
- + Sustainable

Increase Production Line Efficiency

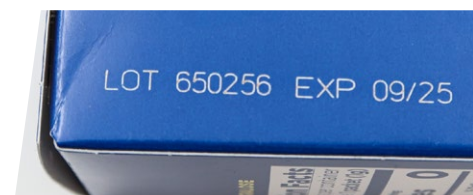
- + Operator ease of use with an intuitive color touchscreen
- + Centralized operation and single point of control
- + Multiple technology control, including 3rd party, from a single interface



MPERIA® Laser mark on multi-layered film



MPERIA® Laser mark on coated cardboard



MPERIA® Laser mark on inked paper-board



MPERIA® Laser mark on PET bottle



MPERIA® Laser 10/30W SD



MPERIA® Laser 10/30W DE



MPERIA® Laser 10/30W WD



MPERIA® Laser 80W SD, DE, WD



MPERIA® Laser Specifications

POWER	10 WATT (STANDARD)	30 WATT (STANDARD)	10/30 WATT (IP54/IP65)		80 WATT (IP43/IP54/IP65)	
CONFIGURABLE	No		Yes		Yes	
WAVELENGTH						
10.6 μM	Standard		Standard	Optional	Optional	
9.3 μM	Not available		Not available	Optional	Optional	
MAIN SUPPLY	115v/230v, 50/60 hz		115v–240v, 50/60 hz		110/240 V AC, 50/60 hz	
	(1 Phase + N) 300 VA	(1 Phase + N) 600 VA			(1 Phase + N) 1900 VA	
DIMENSIONS (AxBxC)	743x216x176 mm		740x241x189 mm		202x650x525 mm (SE, DE), 350x243x1105 mm (WD W/O ELBOW)	
WEIGHT	Net weight: 10 kgs Gross weight: 12 kgs	Net weight: 18,5 kgs Gross weight: 21 kgs	Net weight: 25 kgs Gross weight: 28 kgs		Net weight: 28 kg (SE, DE), 70 kg (WD) Gross weight: 30 kg (SE, DE), 72 kg (WD)	
SYSTEM	Laser, scanners, power supply units, control system		electronics & CPU in the laser		CO2 Sealed Tube and Laser Supply Unit with Umbilical	
MARKING FIELD	Field size: 60x60 mm (2.36x2.36 in), Working distance: 95 mm, Built in 90° marking		40x40 mm	200x200 mm	40x40 mm	200x200 mm
			60x60 mm	250x250 mm	60x60 mm	250x250 mm
			75x75 mm	400x400 mm	75x75 mm	320x320 mm
			100x100 mm	500x500 mm	100x100 mm	500x500 mm
			150x150 mm		150x150 mm	
MARKING HEAD	Co2 sealed laser tube, RF technology					
USER INTERFACE	MPERIA® Controller 8", 12", 15" IP65					
ACCESSORIES/ OPTIONS	Photocell Kit, Photocell Encoder Kit, Alarm Kit, Fume Extractor, Safety Guard Protection, Floor Mounting Stand, *Diode Pointer (only configurable lasers)					
APPLICABLE CERTIFICATIONS			CE, FCC, QPS			
ENVIRONMENTAL CONDITIONS	10°C (50°F) to 40°C (104°F) external temperature, Relative humidity <95%, non-condensing, Vibration-free area					

MPERIA® Controller Specifications

OPTIONS	8"	12"	12" ENCLOSED	15" HE
STANDARD FEATURES	Single Control	Multiple Printer Control		
USB PORTS	2			
ETHERNET PORTS	1xExt/1xInt			
SERIAL PORTS	1 M12	2xRS232		
IP RATING	IP55	IP40	IP54	IP65
ELECTRICAL	100-240V 50/60 hz 1A (PoE)	96-264V 50/60Hz 1A (24v Power Supply)		