CO2 LASER SYSTEM
BMCD

10W │ 30W

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100% sustainable small character coding laser by Bradma Macsa

One platform, multiple substrates

CO2 lasers used in higher speed packaged goods applications including boxes, bottles and blister packs. They provide legible markings of the highest quality, which are permanent and sustainable in all production environments.

Available in different powers in order to mark a wide variety of substrates such as cardboard, glass,ceramics, PET and PVC in the FMCG markets.

BMCD is much more than a laser system

The BMCD range of laser coders is the next generation of Bradma Macsa's successful laser platform. The BMCD range adds more power options including pulsed CO2 lasers.

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TECHNICAL DATA

MODEL		BMCD	
IMAGE			
SYSTEM	Power	10 W	30 W
WAVELENGTH		10,6 microns for BIO materials	
MAINS SUPPLY		100/240 V AC 50/60 Hz	
		(1 Phase + N) 300 VA	(1 Phase + N) 650 VA
COOLING		Air	
DIMENSIONS (AxBxC)		603x118,5x190 mm	650x169,2x235 mm
WEIGHT	Net Weight	10 kg	18,5 kg
	Gross Weight	12 kg	21 kg
SYSTEM		Laser, scanners, power supply unit, control electronics and CPU in the laser system	
OPTICS	Marking Area	35x35 mm	
	Working Distance	95 mm	
	Focal Length	100 mm	
	Beam Diameter	463 µm	648 µm
	Power Density	5,9 kW/cm2	9,1 kW/cm2
	Beam Exit	at 90 °C	
MARKING HEAD		CO2 Sealed Tube CW	
		RF Technology	
CONTROL	Touch Screen TSL-V3	Opt.	Opt.
	PC with Bradma Marca Software	Opt.	Opt.
SOFTWARE	ScanLinux	Std.	Std.
	MarcaTouch OS 2.00	Opt.	Opt.
	Marca Full Graphics PC Softw.	Opt.	Opt.
	TCPIP Protocol	Std.	Std.
	Internal Barcode Generator	Opt.	Opt.
ACCESSORIES/OPTIONS		Touch Screen terminal for BMCD - Photocell Kit- Photocell - Encoder Kit- Alarm kit- Smoke Extractor - Plexiglas Protection - Floor Bracket - U-ARM Mounting Bracket - Back Pack - Tripod Floor - Stand - Horizontal tripod grip - Vertical tripod grip - Table protection - Marking papers - Safety glasses - Focal distance pointer	
ENVIRONMENTAL CONDITIONS		10 °C (50 °F) to 40 °C (104 °F) external temperature	
		Relative humidity <95 %, non-condensing	
		Vibration-free area	

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