

EMMA 20 Portable Fiber Laser Marker



EMMA laser provide a fast, flexible and efficient way to permanently mark a wide variety of materials such as, metals, plastics, ceramics and silicon.

EMMA lasers are commonly used for identification and traceability marks such as serial numbers, date codes, manufacturers info, material flow, barcodes, 2D data matrix, logos, graphics & more.

EMMA fiber lasers can be easily integrated into tabletop marking system automated manufacturing cells, and customized multi-axis machine tools. Depending on the specific application requirements.

FEATURES

- ▶ First and last pulse equally useable
- ▶ Bitmap marking compatible
- ▶ High repeatability/stability design
- ▶ Status monitoring and safe shut down
- ▶ High speed marking (MHz repetition rate)
- ▶ Long using time : the average using time more than 80000 hours.
- ▶ Good Stability and free maintenance : No need to Maintenance for laser device.

TECHNICAL SPECIFICATIONS

Model	EMMA 12	EMMA 20	EMMA 25	EMMA 30
Average output Power	12W	20W	25W	30W
Wavelength	1064nm			
Output Power Stability (typical)	5%		2%	
Power Adjustment Range	1 ~ 100%			
Resolution Frequency	25-100 KHz		30-200 KHz	
Beam Quality (M)	<2		<3	
Max. Linear Speed	7000 MM/S			
Marking Depth	0.01 ~ 0.5 mm [Material Depended]		0.01 ~ 1.0 mm [Material Depended]	
Red alignment laser	Yes			
Min. Line width	0.03 mm			
Marking area	145 x 145 [Standard] 175 x 175 / 300 x 300 [Optional]			
Anti. high-reflect	With optic isolator			
Min. character height	0.2 mm			
Repetition Accuracy	0.2 μm			
Marking Format	Figure, Characters, Barcode, Data matrix, Data, Order of runs, Lot number, Serial number, File chaining			
Marking character type	Support PLT, DXF, BMP file etc.,using SHX TTF character storage directly			
Cooling System	Air Cooling System			
Ambient temperature range	0°C top + 45°C			
Marking Method	Static or flying marking			
Power Supply	220V / 50Hz			

Above specifications are subject to change without prior notice.

APPLICATION INDUSTRIES

The flexibility of the RM/HS series addresses multiple laser marking and micro-machining applications across a wide range of industries. Performance is particularly good for the following :

- ▶ Auto parts
- ▶ Packaging
- ▶ Hardware
- ▶ Solar Industry
- ▶ Watch & Clock
- ▶ Medical Device
- ▶ Marking on anodized & painted materials
- ▶ Marking on Metal & Plastics



APPLICATIONS



For immediate assistance contact,

09227985717, 09227678044



Manufactured and Marketed by

MEHTA CAD CAM SYSTEMS PVT. LTD.(UNIT-I)

HEAD OFFICE : 4 & 5, 2nd Floor, Sumel Complex,
Opp. GNFC Info Tower, Sarkhej Gandhinagar Road,
Ahmedabad-380 059. INDIA.

Tele. : +91 - 79 - 2684 0551 / 2684 0552 / 2684 0553 Fax : +91 - 79 - 2684 0554 E-mail : sales@mehtaindia.com

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