LMINDIA
PRECISION TO PERFECTION
An ISO 9001:2015 TUV Nord Certified Company

LmArk® - *the permanent mark*

MAKE IN INDIA

LMI INDIA

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CE

LASER

Laser Marking & Coding

LmArk® - the permanent mark

LmArk - Laser Marking Machine employing various laser technologies to mark fixed/variable data on various products & substrates.

LmArk offers permanent marking of alphanumerical characters, logos and 1/2 D Bar Codes either in static or in dynamic application.

Both metal and non metal Laser Marking applications are possible owing to selection from wide range of Laser sources such CO2, UV, Green Light, Fibre Laser and wattages depending upon application & substrate.

Capabilities

- Stable Light Source ● High Quality Spot
- Uniform Laser Density
- Uniform Laser Output ● Compact Size
- Stable Operation
- Easy Setup ● Simplified Operation
- CE Compliant

Unique Features

- ☞ *High Speed Marking*
- ☞ *Air Cooling*
- ☞ *Sturdy & Durable*
- ☞ *Line Speed - Application Dependent*
- ☞ *100,000 Burning Hours/ Fibre Laser Source*
- ☞ *50,000 Burning Hours/ CO_2 Laser Source*
- ☞ *30,000 Burning Hours/ UV laser Source*
- ☞ *High Uptime*   ☞ *Hi Resolution Marking*
- ☞ *Supports Various Code*   ☞ *100% Scanning of QR/2D/1D Codes*
- ☞ *No Consumables* ☞ *Fast Payback*
- ☞ *(S)*tatic Marking & (D)**ynamic Marking*

TechnicalSpecifications

Model	LmArk® F30/50/60/100 D/S
Application Type	Online Marking on both non/metals
Technology	Optical Fibre
Laser Source	Pulsed Fibre Laser
Laser Power	30W/50W/60W/100W
Features	- Stable Light Source - High Quality Spot - Uniform Laser Density - Uniform Laser Output - High Speed - Compact Size - Stable Operation - Data Optimisation - Easy Set up - Simplified Operation
Laser Head	Digital Galvanometer Technology
Laser Beam Deflection	Galvanometer Scan

Applications

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Model	LmArk® F30/50/60/100 D/S
Laser Source Lifespan/Burning Hr	>100,000 Burning Hours
Laser Beam Expander Wavelength	1064mm
Optical Quality	<1.4M2
Repeat Frequency	≤ 20 - 60 kHz
Marking Speed	≤14000 mm/s
Marking Filed Area	100 x 100 mm / 175x175 mm/200x200 mm
Min. Character Height	0.7 mm
Min. Line Width	0.15 mm - 0.2 mm
Marking Depth	≤0.01 mm & above
Repeat Precision	0.01 mm
Power Supply	≤220V+/- 10%
Power Consumption	1KW
Cooling Mode	Air Cooled
Capable of Marking	Number, Text, Bar Code, QR Code, Time, Serial No., Length
Supported Formats	BMP,PLT,AI,DXF ETC
Bar Code	Yes
HMI	10" Touch Screen
Communication Port	USB/ Serial/Ethernet/PS
Class of Safety Protection	IP 54 / IP65
Laser Safety Level	4
Work Environment	Temperature : 0 - 45°C Humidity : 5% - 95% non condensing water
Supporting Accessories	Product Sensor Foot Switch
Mounting Arrangement	Adjustable Mounting Stand for - Vertical Adjustment 0- 450 mm (Graduated Scale) - Back/Forth Adjustment 0-250mm (Graduated Scale) - Mounting Orientation options 0°,45°,90°,180°
Control System	10" Touch Screen Control System with Graphical Under Interface RAM :8GB ,Storage :500 GB
Main Frame Design	Aluminium Housing of Control Box Laser/Optics
Tools	A Set of tools included in the scope of supply
Language Support	English
System Upgrade	Free Upgrade of Software as & when released
Application	Dynamic for online applications
Dimensions	450 mm x 450 x 1300mm
Weight	80Kg

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