



**OMEGA**  
INNOVATION  
“DELIVERING EXCELLENCE”



# LAKSHIT 20

## Laser Marking Machine

Laser Marking **Lakshit** Series Made For Metal Marking, It Mark Over Verity Of Material Like, Ss, Ms, Hard Plastic And All Metal. This Machine Perform High-Speed Engraving And Marking Operations. machine Is Design As Compact Install In Your Production Area. It Is Easy To Start & Operate. This **Lakshit** Series Can Intrigrated With Your Existing Production Line To Full Feel Your Requirement.

### Features

- Marking On Large Working Area.
- Marking On All Metal Products.
- Bar Code / Serial Number Marking.
- Bitmap (graphics) Marking.
- High Quality Marking.
- Long Using Time: The Average Using Time More Than 80000 Hours.
- Good Stability And Maintenance Free.
- Stable Performance, High Efficiency With Minimum Power Consumption.
- The Operating Software Is User- Friendly.
- High Speed Marking (mhz Repetition Rate)
- High Repeatability/stability Design.
- Excellent Beam Quality, High Stability Laser Output.
- Rotary Axis [optional]

## Technical Specification

Parameter	Model		
	LAKSHIT 20	LAKSHIT 30	LAKSHIT 50
<b>Output Power (W)</b>	20	30	50
<b>Wavelength (nm)</b>	1064		
<b>Power Set (%)</b>	0 to 100		
<b>Cooling</b>	Air Cooled		
<b>Min. Line Width (mm)</b>	Min. 0.03 (Depend on Material)		
<b>Max. Speed (mm/s)</b>	Max. 10000 (Max. Linear Speed)		
<b>Marking Depth (mm)</b>	0.01~0.3 (Depends on Material)		
<b>Single Pulse Energy (mj)</b>	0.8		1.25
<b>Repetition Frequency Range (Khz)</b>	1-100		
<b>Output Power Stability (%)</b>	<3		
<b>Beam Quality (M2)</b>	< 1.5		< 1.8
<b>Min Character Height (mm)</b>	0.5		
<b>Marking Range (mm)</b>	150 x 150 - 300 X 300 (Standard)		
	Optional : 450 to 600		
<b>Supporting Format</b>	STL, PLT, DXF, BMP JPEG, HPGL ,Using SHX TTF		
<b>Barcodes</b>	Standard Codes, Pharma Code, Code 39, Code 128, ITF.		
<b>2D codes</b>	QR Code, Micro QR Code, Data Matrix, GS1 Data Matrix.		
<b>Atmosphere</b>	Temperature : 10-40°C , RH: 40-80 %		
<b>Size ( L x B x H mm)</b>	800 x 680 x 1400		
<b>Power Consumption (KW)</b>	< 0.5		
<b>Power Supply</b>	Single Phase 230 V AC , 50 Hz		

## Application:

- Switch Gear And Telecommunication Product.
- Machine Tool And Electrical Component.
- Hydraulic Valves And Fitting.
- Stationary. And Plastic Case.
- Aviation And Aerospace.
- Automobile Spare Part.
- Solar Power Industries.
- Jewelry, Gift Article.
- Food And Beverage.
- Medical Instrument.



Mfg. and Marketed by:

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