

Jewellery Laser Marking Machine

Permanent Marking. Fine Detailing. BIS Approved

ALX 20



Product Overview

Our 20 Watt Jewellery Laser Marking Machine is built to deliver precise, permanent, and high-speed Marking on precious metals like gold, silver, and platinum. It's the perfect choice for hallmarking, branding, serial numbers, logo engraving, and customized jewellery personalization. Designed for jewellers, hallmarking centers, and ornament manufacturers, this system ensures fine resolution with zero contact, no damage, and minimal heat-affected zones.

Key Features

- 20W Fiber Laser – Stable & Long-Lasting
- Permanent Marking on Gold, Silver, Platinum
- BIS Hallmarking
- High-Speed Marking : Logos, QR Codes, Alpha numeric
- No Damage or Contact with Metal
- Low Power Usage & Maintenance-Free Operation
- Compact & Tabletop Model for Workshop Use

Applications

- Gold Hallmarking (BIS)
- Silver and Platinum Marking
- Logo & Branding Engraving
- QR Code, Serial No., Text
- Name Customization on Ornaments
- High-Contrast Surface Engraving

Technical Specification

Model	Unit	ALX 20
Power	Watt	20
Wavelength	nm	1064
Repeated Frequency	Khz	20-60
Light Beam Quality	M2	<1.5
Carving Range	mm	100 x 100
Carving Depth	mm	0.2
Carving Line Speed	mm/s	6000
Minimum Line	mm	0.02
Minimum Charactor Size	mm	0.20
Repeating Precision	mm	0.002
Power Supply	VAC	220/50 Hz
Power Consumption	Watt	400
Operating System	-	Win 10
Cooling Method	-	Air
Control Interface	-	USB
File Format	-	.plt / .dxf / .svg
Weight	KG	35