

Jewellery Laser Deep Engraving and Cutting Machine

ALX 30 / 50 / 100



Description

Our Laser engraving and cutting machine is high-precision device specifically engineered for cutting and deep engraving gold and other precious metals, making it ideal for jewellery manufacturing mass production, workshops, and design studios. These machines combine advanced laser technology with user-friendly features to deliver exceptional accuracy, efficiency, and versatility

Features

- Maintenance Free Machine
- No Consumable Required
- Precision and High Speed Cutting
- Intricate Design Cutting
- Advance Software

Applications

Gold laser cutting machines excel in crafting intricate designs for earrings, pendants, rings, and necklaces with precision down to 0.02–0.03mm accuracy. They enable complex patterns and fine detailing, essential for high-end jewellery production. These machines support personalized engraving and bespoke designs, allowing jewellers to offer unique pieces tailored to customer preferences. This includes monograms, custom motifs, and intricate textures

Technical Specification

Model	Unit	ALX 30	ALX 50	ALX 100
Power	Watt	30	50	100
Wavelength	nm	1064	1064	1064
Repeated Frequency	Khz	25-60	40-70	75-85
Light Beam Quality	M2	<1.7	<1.7	<1.7
Carving Range	mm	50 x 50	50 x 50	50 x 50
Carving Depth	mm	0.3	0.5	1.0
Carving Line Speed	mm/s	6000	6000	6000
Minimum Line	mm	0.02	0.03	0.08
Minimum Charactor Size	mm	0.20	0.30	0.60
Repeating Precision	mm	0.002	0.002	0.003
Power Supply	VAC	220/50 Hz	220/50 Hz	220/50 Hz
Power Consumption	Watt	400	600	1000
Operating System	-	Win 10	Win 10	Win 10
Cooling Method	-	Air	Air	Air
Control Interface	-	USB	USB	USB
File Format	-	.plt / .dxf / .svg	.plt / .dxf / .svg	.plt / .dxf / .svg
Weight	Kg	38	50	60
Size	mm	750x450x710	750x450x710	750x450x710