



Laser Cutting



Laser Deep Marking



Laser Marking



Laser Welding





## Jewellery Laser Welding Machine



Desktop Model

Industrial Model

**Features**

- Cavity life 8-10 years, lamp life more than 3 million shots.
- Welding chamber with CCD camera for weld process monitoring.
- Able to work round the clock with stable performance.
- Controlled laser beam results accurate micro - welding of miniature components.



**Machine Specifications**

Laser Power	150 W / 200 W
Max.pulse energy	100 / 120 J
Peak power	6 / 7 kW
Pulse Duration	0.1 – 20 ms
Pulse Frequency	1-100 Hz
Welding Depth	0.1-4.0 mm
Focal Diameter	0.1-2.0 mm
Vision System	Stereo Microscope 10X
Power Supply	AC 220 V / ± 10% / 50 Hz
Net Weight	150 KG
Control System	Microchip CPU
Working Temperature	5°C~30°C, Humidity < 85%

## Jewellery Laser Marking & Cutting Machine

Desktop Model



Industrial Model



**Features**

- Used for surface marking, deep engraving & thin film cutting applications.
- Customized working area up to 300 X 300 mm.
- Possible to achieve 1.2 mm marking depth.
- Laser power options up to 120 Watt.
- Minimum gold loss with tested & proven gold dust collection unit.



**Machine Specifications**

Laser Power	20 W to 120 W
Wavelength	1063 ±3 nm
Beam Quality	< 2 M <sup>2</sup>
Pulse Repetition Rate	20 – 400 KHz
Power Stability	<±1%
Focus Spot Diameter	<0.05 mm
Max Marking Depth	1.2mm
Max Marking Speed	1500 standard characters / second
Repetition Accuracy	±0.003 mm
Cooling Mode	Air Cooling
Ambient Temperature	15°C – 35° C
Power Requirement	220V/single phase/50Hz/<600W
Life of Laser Module	100,000 Hrs
Guide Laser/Red Aiming Beam	Yes / 632.8 nm



Machine designs and specifications will be subjective to change without prior notice



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