

MAXSELL Laser Welding Machine



MXLW 5



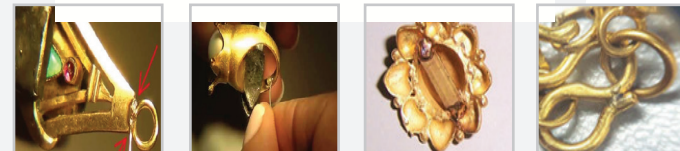
External Chiller

Laser Spot welding machine is ideal for making Precision welding to avoid loss of weight and without impacting the finish of the sample. Also spot welding provides adequate strength to the work piece. Ceramic Light Cavity from UK provides heat resistance, corrosion resistance and high energy efficiency with high peak pulse. Maxsell offers Laser Spot Welding / Soldering machines which is widely used for gold and silver jewellery, golf head, electronic component repair, spot welding for blowhole and so on. The spot welding is steady with low distortion levels, super-efficient and non-pollution and energy saving. With Touch screen operation its easy to operate and specially designed panel makes it easy to setup the unit.

MXLW 1 Models



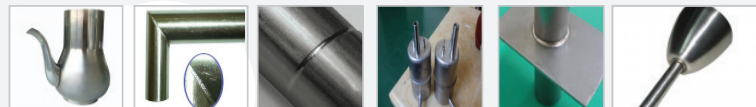
Mould Laser Welder



Applicable Industry Materials

Widely used in aviation, aerospace, sports goods, jewel, golf head, medical instrument, electronics, mechanical process, car industries. Suitable for Gold, silver, copper, titanium, stainless steel and other metals' patch welding, spot welding, pocket repairing and jaw hand welding when mount parts.

Model No	MX LW 1 / MX LW 5
Type	Inbuilt Chiller System
Max. laser power	150W (avl. in 200W & upwards)
Laser wave-length	1064nm
Type of Laser	Nd: YAG
Pump source	xenon lamp
Max welding depth	2.5mm
Pulse width	0.1-20ms
Continuous frequency	0.5-20HZ
Solder joint size	0.2-2.0mm
Cooling way	Water cooling
Power system	6kW
Power requirements	220V±10%/50Hz/40A
Operator Viewer	Microscope
CCD Camera with Monitor	- Optional



Laser Spot Welder (inbuilt chiller)



Fiber Laser Welder

Speak to our local representative on +91.72992 77000



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MAXSELL Fiber Laser Marking Machine



Maxsell develops and produces complete air cooling Fiber Optical Laser marking system to suit wide array of Industrial applications. It is environmental friendly, low consumption, fully automatically and leading laser system. This creative laser system makes the optical conversion rate up to 38%-50%. The air cooling can meet the system requirements. This laser system is small and compact size. Fiber output, can flexibly makes 3D processing system. The backward reflecting isolator, which uses the particularity of wavelength and direction of laser, and the special structure inside the backward reflecting isolator can block the laser reflected by work piece to avoid the laser entering the laser oscillator again to damage the laser oscillator.

Applicable industry

Translucent plastic buttons, IC chips, digital product components, precision machinery, jewelry, sanitary ware, jewellery showrooms, Hallmarking Centers, measuring and cutting tools, watch glasses, electrical appliances, electronic components, hardware accessories, hardware tools, mobile communications components, automobile parts, plastic products, medical equipment, building materials, pipes and other high-precision product marking.

Applicable Materials

Metals and a variety of non-metallic materials, high hardness alloys, oxides, plating, coating, ABS, epoxy resin, ink, plastic, etc.

Model	MXLM 2 / 6 / 7
Power	20 Watts (other options available – 10 / 30 / 40 / 50W)
Wavelength	1064nm
Beam quality	M2<1.5
Output power	10%~100% (continuously to be adjusted)
Output frequency	20KHz~100KHz (continuously to be adjusted)
(8h) Power stability(8h)	< ± 1 %rms
Focus spot diameter	<0.01 mm
Matching size	50X50mm 110mmX110mm 175mmX175mm
Carving depth	1.2mm
Carving speed	800 standard characters/second
Minimum line width	0.012mm
Minimum character	0.15mm
Repeated accuracy	± 0.003mm
System operation	WindowsXP/2000/98/ Win 7
Cooling mode	Air cooling
Temperature of operation environment	15°~35°
Power requirement	220V/single phase/50Hz/<400W
Life of laser module	100000 Hrs
Laser Source	MXLM2 – Raycus – Standard (Max Photonics / JPT Optional) MXLM6 - Raycus – Standard (Max Photonics / JPT Optional) MXLM7 – IPG German



MXLM 6 / 7 Types

Desktop Model



Hand Held Model



Workstation Model



MAXSELL Laser Cutting Machine



CO2 single head laser engraving and cutting machine series adopts international advanced DSP control technology, They have the high speed,high cutting accuracy and high stability .The quality and price ratio is very high. The main system can be commanded by USB flash disk without PC connection. It has the functions of imitative cutting, color separating cutting, non-stop cutting once power off,etc.

Optical Design

Adopted the imported lens and mirrors on optical system to ensure long lifetime of laser tube efficiency.

Mechanical Design

This series machine has precise mechanical construction and is equipped with solid and stable out frame. It adopts high speed outer guide rail, imported stepping motor and driver to improve the accuracy of the mechanical transmission.

Applicable Industry

Engraving and cutting of paper, fabric, plastic, non-woven cloth in garment and toy industries, also inclusive of precise cutting to non-metal materials , like acrylic and MDF board in handbag, glove, mold, advertisements, decoration, electrical appliance and plastic industries.

Applicable Materials

Wood work , paper, cloth , organic glass , resin , acrylic , woolens , plastic , rubber, ceramic, crystal, jade, bamboo and other non-metal materials.

Model	MXLC-6040/9060/1080/1290/1490/1680/1610
Laser Type	CO2
Laser Power	60W /80W/100W/130W/150W
Engraving Speed	0-64 m/min
Cutting Speed	0-36 m/min
Repeat Accuracy	± 0.05mm
Moving System	CNC control system
Cooling Mode	Water-cooling and protection system
Overall Power Consumption	<1250w
Working Voltage	220±10%50Hz(60Hz)
Operating Temperature	0~45°C
Operating Humidity	5%-95%
Controlling Software	Laser software
Graphic Supported Format	CAD,BMP,JPG,PNG,TIF,PCX'TAG,IOO,GIF,PLT AI,DXF

Model	Working Area:	G.W.:	Package Dimension
MXLC-6040	600mmX400mm	290KG	1620mmx970mmx1270mm
MXLC-9060	900mm X600mm	320KG	1940mmx1250mmx1270mm
MXLC-1080	1000mmX800mm	440KG	2040mmx1500mmx1270mm
MXLC-1290	1200mmX900mm	520KG	1900mmx1600mmx1270mm
MXLC-1490	1400mmX900mm	600KG	2100mmx1600mmx1270mm
MXLC-1610	1600mmX1000mm	660KG	2280mmx1690mmx1270mm

Samples

- Wood Cutting
- Reflective material laser cutting machine samples
- Cloth Cutting
- Die-Board Of Cutting

