

GOLD CUTTING
LASER WELDING
JEWELRY WELDING MACHINES
LASER MARKING MACHINES
LASER CLEANING MACHINES



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LASER AUTOMATION ”
maven LEADING
L A S E R MANUFACTURER
IN CHINA

DIRECTORY

GOLD LASER CUTTING MACHINE

GOLD LASER CUTTING MACHINE 01

JEWELRY YAG LASER WELDING MACHINE

200W PEDESTRIAL LASER WELDING MACHINE 03

150W PORTABLE LASER WELDING MACHINE 04

CW FIBER LASER WELDING MACHINE

AUTOMATIC ROBOT FIBER LASER WELDING MACHINE 05

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COMPANY PROFILE



2008
Founded



50+
Employees



100+
Patents



1000+
Customers

Maven Laser Automation company is the leading manufacturer of laser cutting machines, laser welding machines, laser cleaning machines, laser marking machines. Located in Shenzhen, China. Founded in 2008.

Mavenlaser started its business for design, production and sales of laser laser marking machine. This enables us to be the Top 10 manufacturers in China, both in quantitative sales, and also in its superior product quality and competitive pricing, featuring UV laser marking machine, CO2 laser marking machine and fiber laser marking machines, furthermore, we have been providing OEM design solutions as required.

Building on the sound momentum generated through the solid establishment, we involved ourselves and engaged in laser welding machine, gold laser cutting machine and laser cleaning machine in 2015.

Thanks to our unswerving persistence, We enjoys a fast growth and embraces a group of elite engineers with creativity.

Our goal is "Make It Simple". We insist on upholding the value of Customer-First, Human-Oriented and Integrity management philosophy, striding forward to be a global leading laser machine and automation corporation.

MLA-C-G1000

GOLD LASER CUTTING MACHINE

FEATURES

- Focused on high reflective noble metal material cutting
- 9K-Gold~24K-Gold, silver and bronze of all grade
- No cutting burr with shining cutting edge
- Recycling collection system
Loss rate: 1.0~4.0g/kg
- Thickness cutting range
Gold/silver/copper: 1mm~3mm

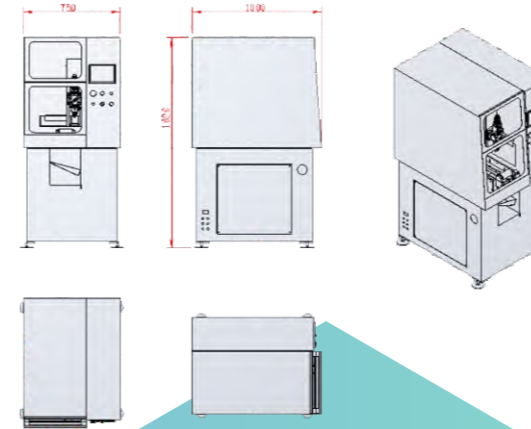


SAMPLE



TECHNICAL PARAMETERS

- Laser source : $\lambda=1064\text{nm}$
- Cutting size: 200mm*100mm(Cutomization available)
- Location precision: +/-0.005mm
- Cutting gap width : 0.05-0.10mm
- Laser source : GW
- Laser power source : 1000w 1500w 2000w 3000w
- Cutting head: Auto focus Ospri, Raytool available
- Linear guide: Hiwin
- Servo motor : Panasonic
- Max work speed : 20m/min
- Max moving speed: 1G
- Assist gas : Compressed air/ N2
- Work voltage : 220VAC/50HZ/60HZ
- Machine weight : 220kgs
- Temperature and humidity: 26°C/40%
- Machine size: 1000*750*1626mm



COMPARISION

Mavenlaser MLA-C-G series



Cutting room

Compact cutting room design

- 1.No extra space for workers hiding gold and silver.
 - 2.Stronger suction of gold silver powder to ensure better collection rate.
- The simpler, the better

Market gold cutting machine



Huge cutting room

- 1.Not easy to do gold silver powder collection.
- 2.Complicated parts in cutting room enlarge adsorption rate
3. More Hidden corner to hide gold silver pieces



Collector device

Compact portable collection device

- 1.Compact collector makes less room occupied and easy to do collection
2. Excellent performance of recycling, loss rate 1.0~4.0g/kg



Big recycling device

1. Less collection rate
2. Big room and place needed to store it.



Performance

- 1.Shining cutting edge
2. Long life service of machine without problem



- 1.Rough cutting surface
2. Doing trouble shooting frequently

MLA-W-A01

DESKTOP JEWELRY LASER WELDING MACHINE

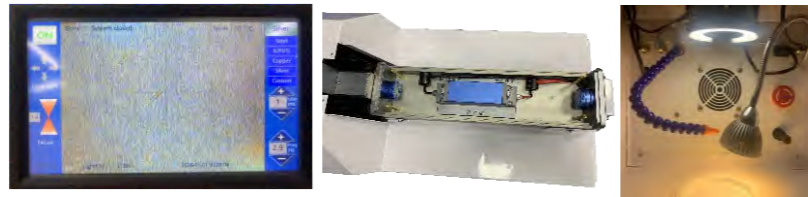
FEATURES

- Gold and silver repair welding without painting
- Maximum 230W, 90Joule
- 50% energy saving
- High resolution vision CCD, 7 inches
- 24 hours contentiously working



TECHNICAL PARAMETERS

Laser source: ND YAG
Laser wavelength: 1064nm
Max laser power : 230w
Frequency range: 1~50Hz
Pulse width range: 1~20ms
Spot size range: -3mm~3mm
Max energy : 90Joule
Cooling system : Air cooling with water circulation
Aiming positioning: CCD with 10X microscope
Positioning accuracy: +/-0.02mm
Input power : 220VAC/50HZ/60HZ 30A
Power of machine : ≤7000W
Machine size: 790*390*1090mm



MLA-W-A02

PORTABLE JEWELRY LASER WELDING MACHINE



FEATURES

- Gold and silver repair welding without painting
- Maximum 200W, 50Joule
- 50% energy saving
- High resolution vision CCD, 7 inches
- 24 hours contentiously working



TECHNICAL PARAMETERS

Laser source: ND YAG
Laser wavelength: 1064nm
Max laser power : 200w
Frequency range: 1~50Hz
Pulse width range: 1~20ms
Spot size range: -3mm~3mm
Max energy : 50Joule
Cooling system : Air cooling with water circulation
Aiming positioning: CCD with 10X microscope
Positioning accuracy: +/-0.02mm
Input power : 220VAC/50HZ/60HZ 30A
Power of machine : ≤4000W
Machine size: 680*360*363mm



MLA-W-A03

MOLD REPAIR LASER WELDING MACHINE

FEATURES

- Beautiful welding effect
- No deformation
- No color changing
- Bright welding surface
- Precision welding
- High focused energy spot make tiny spot welding available
- New welding software
- Language setting
- Simple interface
- Precise control
- High definite monitor



TECHNICAL PARAMETERS

Laser power: 200w 400w
 Laser wavelength: 1064nm
 Range adjustable power: 1~100%
 Spot adjustable range : 0.1mm~3mm
 Repeat frequency: 1~20Hz
 Pulse width: 0.1~15ms
 Repeat precision: +/-0.01mm
 Power stability: +/-1%
 Power consumption : <10Kw
 Cooling system : Water cooling
 Module life:>10,000hrs
 Input power : AC 220V 50Hz/60Hz 30A
 Machine weight: 150kg



MLA-W-A04

GALVOHEAD FIBER LASER WELDING MACHINE

TECHNICAL PARAMETERS

Laser power: 100w 150w 200w
 Laser wavelength: 1064nm
 Laser source: IPG MAX Raycus JPT
 Laser power range : 10~100%
 Optical quality: M2≤1.4
 Marking field: 70*70mm
 Working method: QCW mode
 Modulation frequency: 20KHz
 Marking speed : 0~7000m/s
 Cooling system : Air cooling
 Repeat accuracy :0.01mm
 Input power : AC 220V 50Hz/60Hz 30A
 Power of machine : ≤2000W
 lifetime :100,000hours



FEATURES

- High-precision marking with consistent quality
- One laser source for two welding machine
- High definition fine spot welding
- Suitable for production line as loading and unloading steps saved

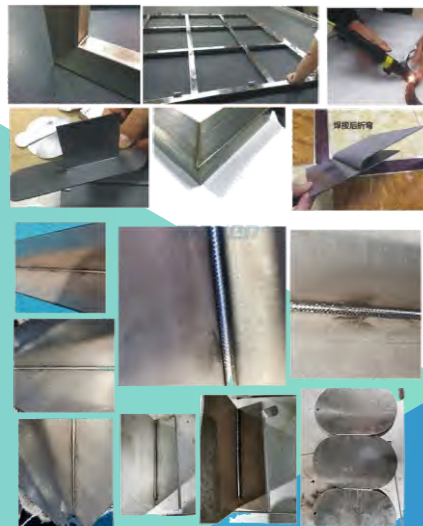


MLA-W-AU001

AUTOMATIC ROBOT FIBER LASER WELDING MACHINE

FEATURES

- High precision robot arm
- Unlimited size for the welding material
- Diagraming pedal makes diagraming route much easier
- Flexible with existed automation line



TECHNICAL PARAMETERS

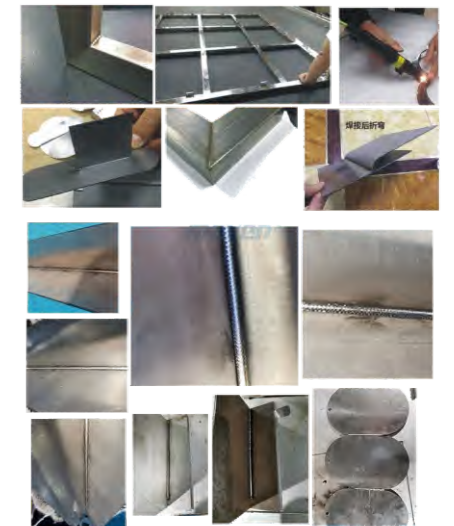
Laser power: 1000W 2000W 3000W
 Laser wavelength: 1064nm
 Power adjustment range: 10~100%
 Work method: CW/ Pulse
 Speed range: 0~120mm
 Weld thickness : 0.5~6mm
 Welding gap requirement: < 1mm
 Fiber length: 10m or specified
 Rotating axis: 6axis
 Positioning accuracy: 0.005mm
 Input power : AC220V/AC380V 50Hz/60Hz 30A
 Power of machine : ≤5000W

MLA-W-AU002

4-AXIS AUTOMATIC FIBER LASER WELDING MACHINE

FEATURES

- High precision XYZ worktable
- High precision rotating axis
- Diagraming pedal makes diagraming route much easier
- Flexible with existed automation line



TECHNICAL PARAMETERS

Laser power: 1000W 2000W 3000W
 Laser wavelength: 1064nm
 Power adjustment range: 10~100%
 Work method: CW/ Pulse
 Speed range: 0~120mm
 Weld thickness : 0.5~6mm
 Welding gap requirement: < 1mm
 Fiber length: 10m or specified
 Rotating axis: 4axis
 Positioning accuracy: 0.005mm
 Input power : AC220V/AC380V 50Hz/60Hz 30A
 Power of machine : ≤5000W

MLA-W-AU003

4-AXIS ENCLOSED AUTOMATIC FIBER LASER WELDING MACHINE

FEATURES

- High precision module with limitation
- Door safety function
- Control pedal makes diagramming route much easier
- Syntec motion control system
- High resolution CCD monitor
- Brand water chiller
- Excellent quality wobble welding head
- English version software and labels
- Smoke filter optional
- Laser power ranging from 1kw to 4kw
- Custom pneumatic Clamp and chuck



TECHNICAL PARAMETERS

Laser power: 1000W 2000W 3000W 4000W
Laser wavelength: 1064nm
Power adjustment range: 10~100%
Welding mode: CW/ Pulse
4-Axis: X Y R(welding head) R(Pneumatic clamp)
Weld thickness : 0.2~6mm
Welding gap requirement: < 1mm
Wire feeder : Optional
Fiber length: 10m or specified
Chilling: Water chilling
X travel: 200mm
Y travel: 130mm
Rotating range: 360°
Control pedal: Yes
Rotating range: 360°
Software: Syntec or self-developed
Motor and servo: Panasonic or Leadshine
Positioning accuracy: 0.003mm
Input power : AC380V
Power of machine : ≤5000W
Machine size: 1200*1130*1650mm

FEATURES



MLA-W-H1000

WOBBLE HANDHELD FIBER LASER WELDING MACHINE

FEATURES

- Multi wobble mode
- Maximum 2kw
- Compact in size
- Wire feeder included
- High quality laser welding head



TECHNICAL PARAMETERS

Laser power: 1000W 1500W 2000W
Laser wavelength: 1064nm
Laser source: Raycus Max IPG JPT
Beam quality: $M2 \leq 1.3$
Fiber core diameter: 50um 100um 200um
Fiber core length: 10m or 15m
Laser mode: Continuous or pulse
Cooling system : Water cooling
Input power : AC 220V 50Hz/60Hz 30A
Power of machine : $\leq 6000W$
Machine size : 980*710*1050mm
Net weight: 180KG



MLA-W-H1500

COMPACT WOBBLE HANDHELD FIBER LASER WELDING MACHINE

FEATURES

- Multi wobble mode
- Maximum 2kw
- Compact in size
- Wire feeder included
- High quality laser welding head



TECHNICAL PARAMETERS

Laser power: 1000W 1500W 2000W
Laser wavelength: 1064nm
Laser source: Raycus Max IPG JPT
Beam quality: $M2 \leq 1.3$
Fiber core diameter: 50um 100um 200um
Fiber core length: 10m or 15m
Laser mode: Continuous or pulse
Cooling system : Water cooling
Input power : AC 220V 50Hz/60Hz 30A
Power of machine : $\leq 6000W$
Machine size : 884*436*662mm
Net weight: 150KG





MLA-CL-001

LASER RUST REMOVAL

FEATURES

Non-contact laser rust removal.
Brief features:

1. No damage to base material.
2. No consumption part.
3. Environment friendly.
4. High-efficient laser removal of oil, rust and paint.

Applicable industry:

1. Automobile manufacturing.
2. Mechanical /electronic processing.
3. Cultural relics repair.
4. Mold /mould laser clean.
5. Ship-building industry.

SAMPLE



Rust removal



Paint removal



Weld pretreatment



Weld post-treatment



Oil cleaning



Pre-treatment



Oxidize removal



Heritage cleaning



COMPARISON



- ✓ No chemical pollution
- ✓ No noise
- ✓ Minimum damage to the base material
- ✓ High speed and high efficiency
- ✓ No site restrictions



Mechanical Friction

high cleanliness,
damage base material



Chemical Etching

unstressed cleaning
heavier pollution



Fluid Solid Jet

high cost
complex effluent



Ultrasonic

limited size

SPECIFICATION

Item	Surface	Focal length(mm)	Efficiency(mm ² /s)	Base Material Damage
Cast Iron	Severe corrosion (0.08mm)	>35mm	3500	No
Carbon steel	Mild corrosion (0.05mm)	>40mm	3000	>35mm
Stainless steel	Oil, slight corrosion	>50mm	3200	>35mm
Mould steel gear	Mild oily with scrap iron	>45mm	4200	>35mm
Aluminum	Oxide / surface spotting	>35mm	3600	>35mm
Stoving varnish	White stoving varnish(0.1mm)	>20mm	3500	>35mm

MLA-CL-002

FIBER LASER CLEANING MACHINE

TECHNICAL PARAMETERS

- Laser power: 100W 200W
- Laser wavelength: 1064 ±5nm
- Laser source: Raycus Max IPG JPT
- Power adjustment range: 10~100%
- Output power stability: ≤5%
- Max pulse energy: 1mj
- Fiber length: 3m/5m
- Laser safety classification : 4
- Pulse repetition rate: 20~400Khz (100W) , 20~2000Khz (200W)
- Cooling system : air forced cooling
- Scanning width : 160*0.7mm, 254*0.7mm
- Input power : AC 220V±22V 50Hz/60Hz 10A
- Power of machine : 800W (100W), 1300W (200W)
- Machine size: 538*411*685mm
- Net weight: 58KG (100W), 75KG (200W)



Cleaning head features

- Indicator light safety lock**
Laser emission indicator, safety lock to ensure process safety
- Automatic mode adapter plate**
Manual / automatic switching time less than 5s
- Positioning hole**
Manual mode auxiliary processing device positioning hole
- Manual mode auxiliary processing device**
Easy to handheld and control the cleaning focus point
- Laser source connection**
Suitable for isolator, QCS, QBH commonly used laser connectors in the market
- Lightweight and convenient**
The laser head weighs only 823g
- Heat sink**
With cooling fan, to ensure stable operation of the laser head
- Cooling hole**
With cooling hole, to ensure stable operation of the laser head
- Auto mode snap ring**
Easy installation easy operation
- Lighting device**
With lighting device it can be applied in poor light environment
- Focus Lens**
160/254/330/420 for optional, suitable for various situations. Can scan straight line, circle, spiral, rectangle, square, round fill, rectangular fill etc. It can add the appropriate scanning pattern according to customer demand

SIMPLE SOFTWARE PRESTORE OF VARIOUS PARAMETER GRAPHICS

1. Simple software, select prestored parameters directly
2. Prestore all kinds of parameter graphics, six kinds of graphics can be selected: straight line/spiral/circle/rectangle/rectangle filling/Circle filling
3. Easy to use and operate
4. Simple interface
5. 12 different modes can be switched and selected quickly to facilitate production and debugging
6. The language can be English/Chinese or other languages (if required)

SCANNABLE GRAPHICS

FEATURES

TROLLEY CASE FUNCTION INTRODUCTION

- Trolley**
Hand-drawn box design, more convenient to carry and move
- Key switch**
Prevent unrelated personnel from accidentally opening
- Emergency stop switch**
Emergency stop switch
- Display screen**
More compact, double-layer screen protection film, removable surface protection film, more dustproof, cleaner, and scratch-resistant
- EVA material**
Environmental protection, soft, beautiful, stable, fireproof, durable
- Power cable**
- Glasses cleaning tool**
Convenient and fast to remove dust and dirt
- Laser head**
Four generations of unique upgrades
- Portable handle**
Two handle sides, with the bottom of the metal handle to facilitate its side, a double lifting and easy one-handed double or single lifting and pulling
- Display lamp**
Three-color light, red is working state, yellow is ready working state, green is normal state, which is more striking
- Winding protection cable**
Unique design, more beautiful, more tensile, more resistant to fall, more resistant to dirt, easier to clean
- Optional Lens**
F160/F254/F330 for optional
- Special laser protective glasses**
Professional laser protective glasses, clearer, safer and more reliable

The box door can rotate freely with 270° opening, which is more convenient to use

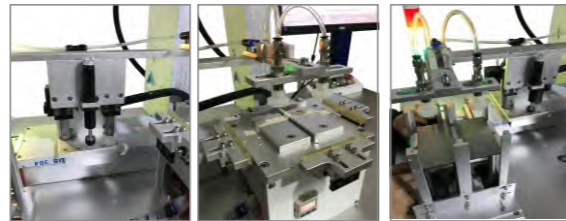
Bottom metal handle with side double handle, easy to side down, double lift/easy to double single hand lift or single lift

Application

- Rust removal
- scale cinder removal
- Stainless steel polishing
- layered paint removal
- Laser texturing
- Weld laser cleaning
- Coating removal
- Auto parts cleaning
- oil removal

MLA-M-AU01

CARD AND METALLIC PLATE LASER ENGRAVING SYSTEM



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W
 Laser wavelength: 1064nm
 Q-switch frequency : 20KHZ-100KHZ
 Marking field: 100*100mm/160*160mm
 Minimum line width: $\leq 0.02\text{mm}$
 Minimum character: 0.1mm
 Marking speed : 0~7000m/s
 Cooling system : Air/water
 Marking software: Samlight/BJJCZ
 Supporting file: PLT/DXF/BMP/JPEG/AI etc.
 Repeat accuracy : 0.02mm
 Material size: 54*55*85.6mm
 Input power : 220VAC/50HZ/60HZ 10A
 Power of machine : <500W
 Machine size: 650*450*390mm

FEATURES

- Automatic feeding and unloading system
- Automatic positioning
- Other material size acceptable
- High stability and easy to operate



APPLICATION

- Specially designed for square-shaped flimsy materials with limited size
- Material could be metal, plastics and paper

MLA-M-AU02

FLYING LASER ENGRAVING MACHINE

FEATURES

- "Mark-on-Fly" automation system, nonstop marking on assembly line
- Faster focusing and scanning system
- Stable structure guarantee shockproof performance
- Versatile application in various industries
- Improve processing efficiency as no extra manual feeding work needed



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W
 Laser wavelength: 1064nm
 Q-switch frequency : 20KHZ-100KHZ
 Marking field: 100*100mm/175*175mm
 Minimum line width: $\leq 0.02\text{mm}$
 Minimum character: 0.3mm
 Marking speed : 0-7000m/s
 Cooling system : Air cooling
 Working temperature: 15-30°C
 Input power : 220VAC/50HZ/60HZ 10A
 Power of machine : $\leq 600\text{W}$
 Machine size: 750*700*1380mm



MLA-M-AU03

ASSEMBLY LINE STATIC LASER MARKING MACHINE

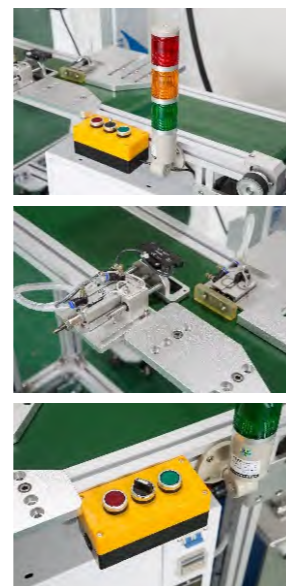
FEATURES

- High-speed focusing and scanning system
- Stable structure, shockproof guaranteed
- Versatile application in various industries
- High processing efficiency



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W
 Laser wavelength: 1064nm
 Q-switch frequency : 20KHZ-100KHZ
 Marking field: 100*100mm/160*160mm
 Minimum line width: $\leq 0.02\text{mm}$
 Minimum character: 0.1mm
 Marking speed : 0~7000m/s
 Cooling system : Air/water cooling
 Marking software: Samlight/BJJCZ
 Repeat accuracy :0.02mm
 Delivery Speed : $\leq 1\text{m/s}$
 Conveyor belt size : 1200mm*150mm
 Input power : 220VAC/50HZ/60HZ 10A
 Power of machine : $\leq 500\text{W}$
 Machine size: 1300*450*1000mm



MLA-M-AU04

LED LIGHT BULB LASER MARKING MACHINE WITH UNLOADING SYSTEM

FEATURES

- With eight station rotary table indexing system
- Pick and place unit
- Auto unloading system ,Manpower saving and Efficiency improving
- Precisely locating by Decollator



TECHNICAL PARAMETERS

Laser power: 10W/30W/50W
 Laser wavelength:1064nm
 Marking field: 100*100mm/175*175mm
 Minimum line width: 0.02mm
 Minimum character: 0.2mm
 Marking speed : 0~7000m/s
 Marking software: Samlight/BJJCZ
 Supporting file: PLT/DXF/BMP/JPEG/AI etc.
 Cooling system : Air cooling
 Repeat accuracy :0.01mm
 Belt size : 150mm*1200mm
 Delivery speed : <1m/s
 Max loading : 3KG
 Repeatability accuracy : $> \pm 0.05\text{mm}$
 Input power : AC 220V $\pm 22\text{V}$ 50Hz/60Hz 10A
 Power of machine : $\leq 500\text{W}$
 Machine size: 900*650*1400mm



MLA-M-010

DESKTOP UV 3D LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 3W/5W
Laser wavelength: 355nm
Spot size : 0.03mm
Adjustable focal length: ±25mm
Q-switch frequency : 20KHZ-100KHZ
Marking field: 100*100mm/175*175mm
Minimum line width: 0.015mm
Minimum character: 0.1mm
Marking speed : 0~7000m/s
Cooling system : Air/water cooling
Repeat accuracy :0.01mm
Marking software: Samlight/Markingmate
Supporting file: PLT/DXF/BMP/JPEG/AI etc.
Input power : AC 220V±22V 50Hz/60Hz 10A
Power of machine : ≤500W
Machine size: 870*680*1400mm



FEATURES

- Mounted with advanced XYZ(3D) scanhead
- Especially for materials with height difference and curves
- Easily deal with 3D surface marking needs
- Arbitrary free form surfaces are possible

MLA-M-011

DESKTOP UV LASER MARKING MACHINE

FEATURES

- Plastic and glass marking
- High speed with dual focus finder
- With fume extractor and chiller
- High quality laser source and long life marking service
- Fine marking effect on plastic and glass



TECHNICAL PARAMETERS

Laser power: 3W 5W 10W 15W
Laser wavelength: 355nm
Q-switch frequency : 20KHZ-100KHZ
Marking field: 100*100mm/175*175mm
Pulse width: 6ns
Minimum line width: 0.015mm
Minimum character: 0.1mm
Marking speed : 0~7000m/s
Cooling system : Air/water cooling
Repeat accuracy :0.001mm
Marking software: Samlight/Markingmate/BJJCZ
Input power : AC 220V±22V 50Hz/60Hz 10A
Power of machine : ≤500W
Machine size: 800*650*1510mm



MLA-M-012

FLYING UV LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 3W/5W/8W/10W
Laser wavelength: 355nm
Spot size : 0.03mm
Adjustable focal length: ± 25 mm
Marking field: 100*100mm/175*175mm
Minimum line width: 0.015mm
Minimum character: 0.1mm
Marking speed : 5000mm/s~10000mm/s
Cooling system : water cooling
Repeat accuracy :0.01mm
Marking software: Yianrui/ JCZ
Language supported: Russian English
Encoder: Supported
Min ground height: 500mm
Travel Z-axis: 815mm
Y-axis length: 570mm
Z-axis height: 1420mm
Input power : AC 220V 50Hz/60Hz
Power of machine : ≤ 1000 W



Sample

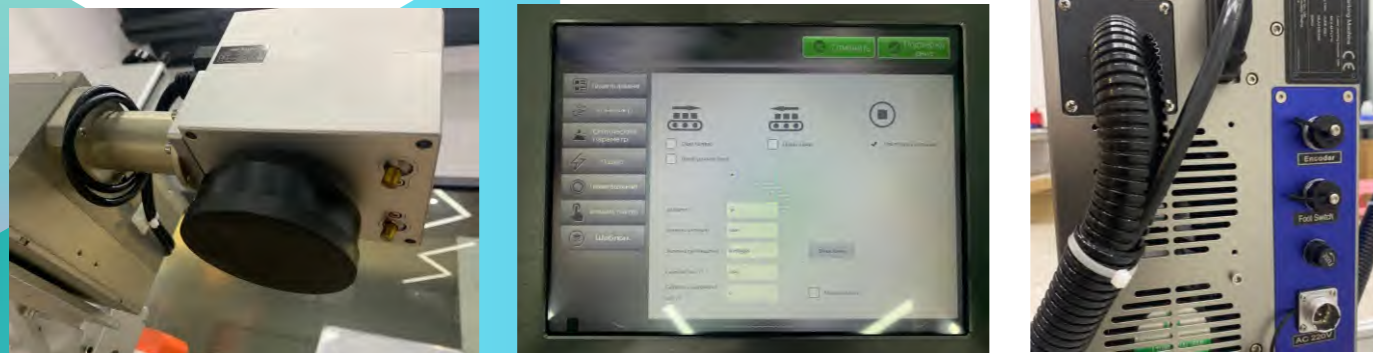


FEATURES

- Compact in size
- High speed fly marking
- Easy to operate
- Best choice for plastic and glass flying marking in massive production



Details

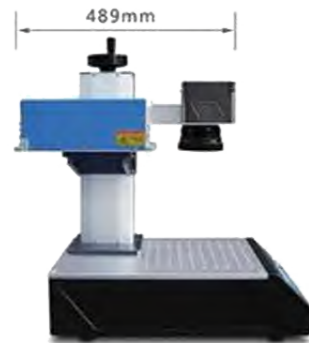
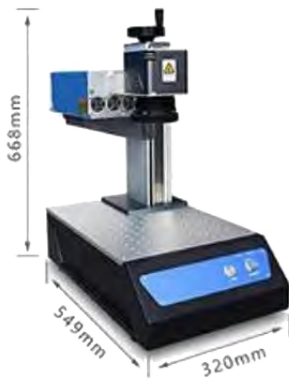
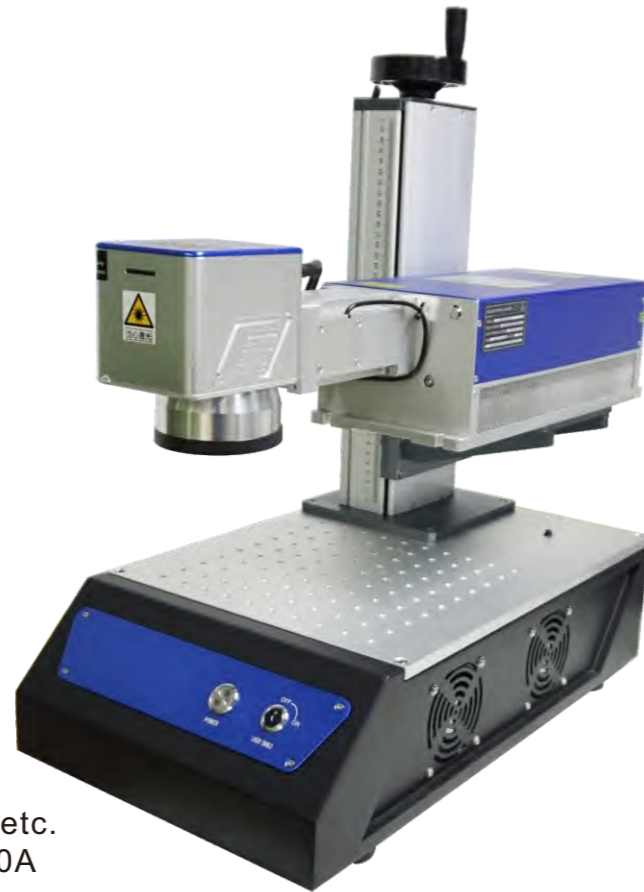


MLA-M-013

PORTABLE UV LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 3W/5W
Laser wavelength: 355nm
Spot size : 0.03mm
Adjustable focal length: ±25mm
Q-switch frequency : 20KHZ-100KHZ
Marking field: 100*100mm/175*175mm
Minimum line width: 0.015mm
Minimum character: 0.1mm
Marking speed : 0~7000m/s
Cooling system : Air/water cooling
Repeat accuracy :0.01mm
Marking software: Samlight/Markingmate
Supporting file: PLT/DXF/BMP/JPEG/AI etc.
Input power : AC 220V±22V 50Hz/60Hz 10A
Power of machine : ≤500W



FEATURES

- Compact in size
- High speed marking
- Easy to operate
- Best choice for plastic and glass marking



MLA-M-014

PEDESTAL CO2 LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 30W 50W 100W
Laser wavelength: 10600nm
Laser source: Synrad Coherent Davi
Optical quality: M2≤1.2
Marking field: 100*100mm/175*175mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air/Water cooling
Repeat accuracy : 0.01mm
Input power : AC 220V±22V 50Hz/60Hz 10A
Power of machine : ≤500W
Machine size: 800*650*1520mm



FEATURES

- Ideal machine for marking paper, cardboard, wood, leather, glass, ceramics and plastics
- High efficiency and good beam quality
- Very concentrated beam spot size
- Fast engraving speed, low power requirements
- Real-time visible live pointer for previewing your mark

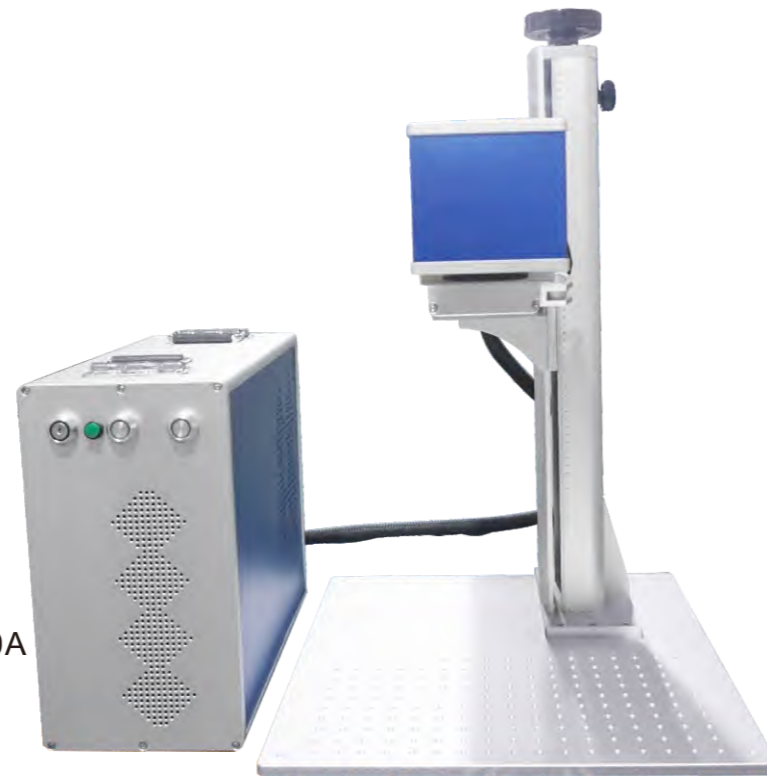


MLA-M-0105

PORTABLE CO2 LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 30W 50W 100W
Laser wavelength: 10600nm
Laser source: Synrad Coherent Davi
Optical quality: $M2 \leq 1.2$
Marking field: 100*100mm/175*175mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air/Water cooling
Repeat accuracy : 0.01mm
Input power : AC 220V \pm 22V 50Hz/60Hz 10A
Power of machine : \leq 500W



FEATURES

- Ideal machine for marking paper, cardboard, wood, leather, glass, ceramics and plastics
- High efficiency and good beam quality
- Very concentrated beam spot size
- Fast engraving speed, low power requirements
- Real-time visible live pointer for previewing your mark

MLA-M-001

PEDESTAL MOTORIZED FIBER LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 20W 30W 50W 60W 100W
Laser wavelength: 1064nm
Laser source: IPG Raycus Max JPT
Optical quality: $M2 \leq 1.2$
Marking field: 100*100mm/175*175mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy : 0.01mm
Input power : AC 220V 50Hz/60Hz 10A
Power of machine : \leq 500W
Machine size: 800*600*1510mm



FEATURES

- Motorized controlling with up and down button
- Suitable for metallic material marking
- High speed marking with dual focus finder
- Long z-axis travel that makes bigger area marking available
- Easy to operate

MLA-M-002

MINI SIZE LASER ENGRAVING MACHINE



FEATURES

- High-speed marking
- Small volume, light weight
- Dust shield to prevent cutting pieces going into machines
- Environment friendly

TECHNICAL PARAMETERS

Laser power: 20W/30W/50W
Laser wavelength: 1064nm
Laser source: IPG MAX Raycus JPT
Q-switch frequency : 20KHZ-100KHZ
Optical quality: M2≤1.4
Marking field: 100*100mm/175*175mm
Minimum line width: 0.01mm
Minimum character: 0.1mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy :0.01mm
Input power : AC 220V±22V 50Hz/60Hz 10A
lifetime :100,000hours(if properly operated)
Machine size: 530*420*560mm
Machine weight: 45kg



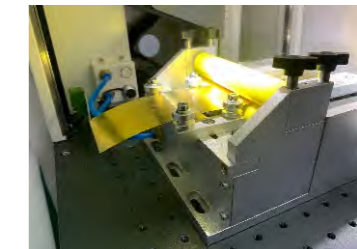
MLA-M-003

MOTORIZED ENCLOSED FIBER LASER MARKING & CUTTING MACHINE



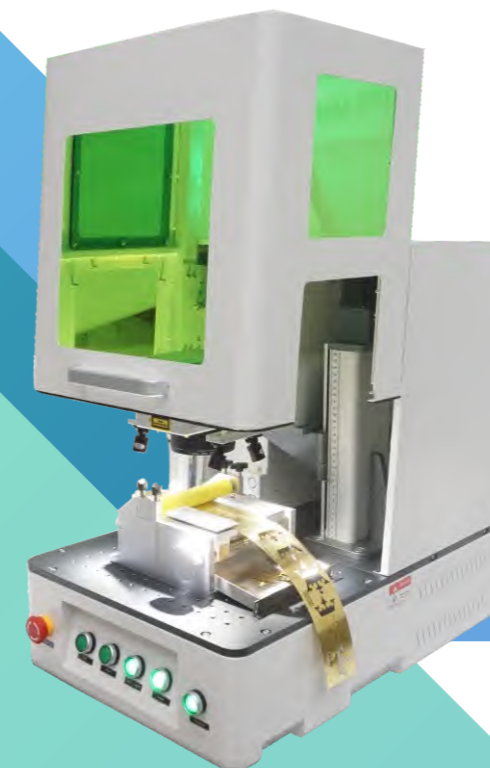
FEATURES

- Large viewing window
- Led lightening available when door closed
- Motorized z-axis for lifting
- Long item static and rotating marking is available
- Large marking area, maximum 175*175mm
- Auto gold silver sheet cutting with feeder available



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W/60W/100W/120W
Laser wavelength:1064nm
Laser source: Raycus Max IPG JPT
Optical quality: M2≤1.2
Marking field: 175mm*175mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy : 0.01mm
Input power : AC 220V±22V 50Hz/60Hz 10A
Power of machine : ≤1000W
Up/ Down control : Switch button
Machine size: 636*420*648mm
Net weight: 75KG



MLA-M-004

ENCLOSED FIBER LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 20W/30W/50W/ 60W/ 80W
Laser wavelength: 1064nm
Laser source: IPG MAX Raycus JPT
Q-switch frequency : 20KHZ-80KHZ
Optical quality: M2≤1.4
Marking field: 100*100mm/175*175mm
Minimum line width: 0.01mm
Minimum character: 0.1mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy :0.01mm
Z-axis height: 435mm
Input power : AC 220V±22V 50Hz/60Hz 10A
Power of machine : ≤500W
lifetime :100,000hours(if properly operated)
Machine size: 620*420*620mm



FEATURES

- High-speed marking
- Small volume, light weight
- Dust shield to prevent cutting pieces going into machines
- Od7+ laser protective windows to protect worker's eyes, and ensure the visualibity



MLA-M-005

MOTORIZED SPLIT LASER MARKING MACHINE

FEATURES

- Dual red focus finder
- Motorized Z-axis with control pedal available
- Rotary and metal clamp available
- More convenient up and down control



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W/60W/80W
Laser wavelength: 1064nm
Laser source: IPG MAX Raycus JPT
Q-switch frequency : 20KHZ-100KHZ
Optical quality: M2≤1.4
Marking field: 100*100mm/175*175mm
Minimum line width: 0.01mm
Minimum character: 0.1mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy :0.01mm
Input power : AC 220V±22V 50Hz/60Hz 10A
lifetime :100,000hours(if properly operated)
Machine size: 670*360*720mm
Machine weight: 35kg



MLA-M-006

ALL-IN-ONE FIBER LASER MARKING MACHINE

FEATURES

- Dual red focus finder/ external finder
- Manual Z-axis
- Integrated in one
- Rotary and metal clamp available
- Manual up and down control



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W/60W
Laser wavelength: 1064nm
Laser source: Raycus Max IPG JPT
Optical quality: $M2 \leq 1.2$
Marking field: 100*100mm~300*300mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy : 0.01mm
Input power : AC 220V \pm 22V 50Hz/60Hz 10A
Power of machine : $\leq 500W$
Bottom Z-axis size : 210*150mm
Up/ Down control : Switch button
Machine size: 650*210*500mm
Net weight: 20KG



MLA-M-007

MANUAL SPLIT FIBER LASER MARKING MACHINE

TECHNICAL PARAMETERS

Laser power: 20W/30W/50W/60W
Laser wavelength: 1064nm
Laser source: Raycus Max IPG JPT
Optical quality: $M2 \leq 1.2$
Marking field: 100*100mm~300*300mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy : 0.01mm
Input power : AC 220V \pm 22V 50Hz/60Hz 10A
Power of machine : $\leq 500W$
Bottom aluminum plate : 550*350*50mm
Machine size: 670*380*720mm
Net weight: 35KG



FEATURES

- Manual handle wheel;
- Suitable for metallic material marking;
- High speed marking with dual focus finder;
- Long z-axis travel;
- Easy to operate
- Rotary / clamp available
- More precise lifting



MLA-M-008

MOTORIZED PORTABLE LASER MARKING MACHINE

FEATURES

- Dual red focus finder
- Motorized Z-axis with AC/Step motor
- Compact in size
- With fume extractor
- Led light for lightening when in dark
- Speed controller for lifting with step motor available



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W/60W/ 80W
Laser wavelength: 1064nm
Laser source: Raycus Max IPG JPT
Optical quality: $M2 \leq 1.2$
Marking field: 100*100mm~300*300mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy : 0.01mm
Input power : AC 220V \pm 22V 50Hz/60Hz 10A
Power of machine : $\leq 500W$
Bottom aluminum plate : 550*350*50mm
Machine size: 690*430*760mm
Net weight: 65KG

MLA-M-009

ENCLOSED FIBER LASER MARKING MACHINE

FEATURES

- Dual red focus finder
- Motorized Z-axis with AC/Step motor
- Compact in size
- With fume extractor
- More precise up and down control



TECHNICAL PARAMETERS

Laser power: 20W/30W/50W/60W
Laser wavelength: 1064nm
Laser source: Raycus Max IPG JPT
Optical quality: $M2 \leq 1.2$
Marking field: 100*100mm~300*300mm
Minimum line width: 0.03mm
Minimum character: 0.2mm
Marking speed : 0~7000m/s
Cooling system : Air cooling
Repeat accuracy : 0.01mm
Input power : AC 220V \pm 22V 50Hz/60Hz 10A
Power of machine : $\leq 500W$
Bottom aluminum plate : 550*350*50mm
Machine size: 760*450*740mm
Net weight: 70KG

