

FOSTER · LASER

NEW MODELS

HAND HELD LASER MARKING MACHINE

HAND HELD

BIG OBJECT MARKING



ADVANTAGES AND HIGHLIGHTS

FOSTER LASER



ADVANTAGE

EASILY MARKS ON BIG OBJECTS SURFACE



✓ **MODULAR DESIGN**

separate laser generator and lifter, more flexible, can mark on bigger area and complicated surface. Air-cooled inside, small occupation, easy to install.

✓ **SIMPLE OPERATION**

High efficiency for photoelectric conversion, simple operation, Compact in structure, support harsh working environment, no consumables.

✓ **EASY FOR TRANSPORTATION, MARK BIG OBJECTS**

fiber laser marking machine is portable and handheld. Easy for transportation. Its movable marking operation allows user to mark on large pieces or some pieces not movable.

✓ **NO CONSUMABLES, LONG LIFESPAN MAINTENANCE FREE**

The Fiber laser source has super long lifespan of over 100,000 hours without any maintenance. No need to spare any extra consumer parts at all.

Suppose you will work for 8 hours per day, 5 days a week, A fiber laser could work properly for you for more than 8-10 years without extra costs except electricity.

Quick Marking Button

Handle

Galvo Head

Fiber Cable

Field Lens

Control Button

Focusing Ring

Heat Dissipation Holes

2D Working Table

Main Cabinet

Inside With Fiber Laser Source
Power Source Control Board etc



DETAILED PARAMETERS

FOSTER LASER

Laser Type	Hand held laser marking machine
Power	10W/20W/30W/50W/100W
Working area	110*110/150*150/200*200/300*300 (mm)
Laser wavelength	1064nm
Light beam quality	<2
Marking line speed	≤7000mm/s
Minimum line width	0.03mm
Minimum character	0.3mm/Depends on the material
Marking depth	≤0.5mm/Adjustable depending on the material
Repeating precision	±0.002
Power supply	220V / 110V(±10%)
Controlling software	Ezcad
Temperature	0~35℃
Operating system	Win 7/Win 8/Win 10
Cooling system	Inbuilt air cooling
Communication	Standard USB2.0
Marking format	Graphics,Text,AI,DXF,PLT,Bar code,QR code,etc.
Rotary	Optional
The above parameters are laboratory test results, subject to actual operating conditions.	

DETAILS DISPLAY

FOSTER LASER

660MM

600MM

210MM

410MM

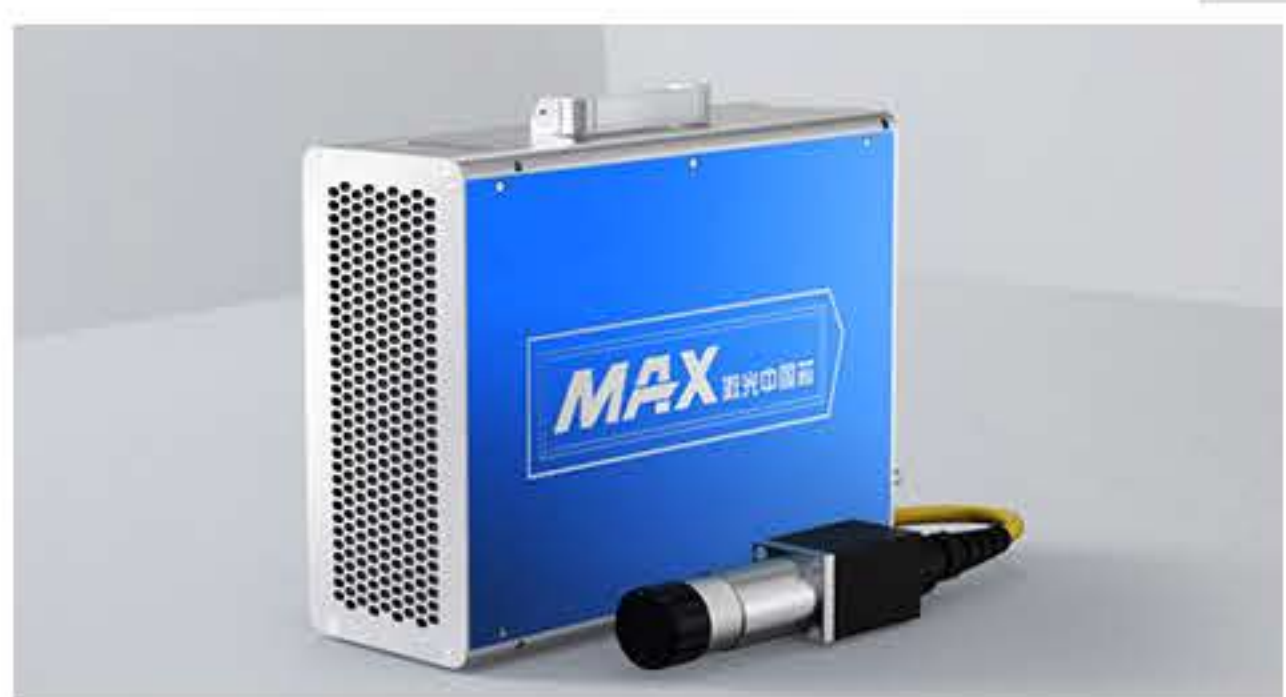
450MM



01

FIELD LENS GALVO HEAD

We use famous brand to provides precision laser. Standard 110 x 110mm marking area. Famous brand Sino-galvo, high speed galvanometer scan adopting SCANLAB technology, digital signal, high precision and Speed.



LASER SOURCE 02

We use Chinese famous brand Max laser source.
Optional: IPG / JPT / Raycus laser source.



03

JCZ CONTROL BOARD

Ezcad genuine products, user-friendly interface, functional diversity, high stability, high precision. Each board has its own number to ensure that it can be inquired in the original factory. Refuse to fake.

04

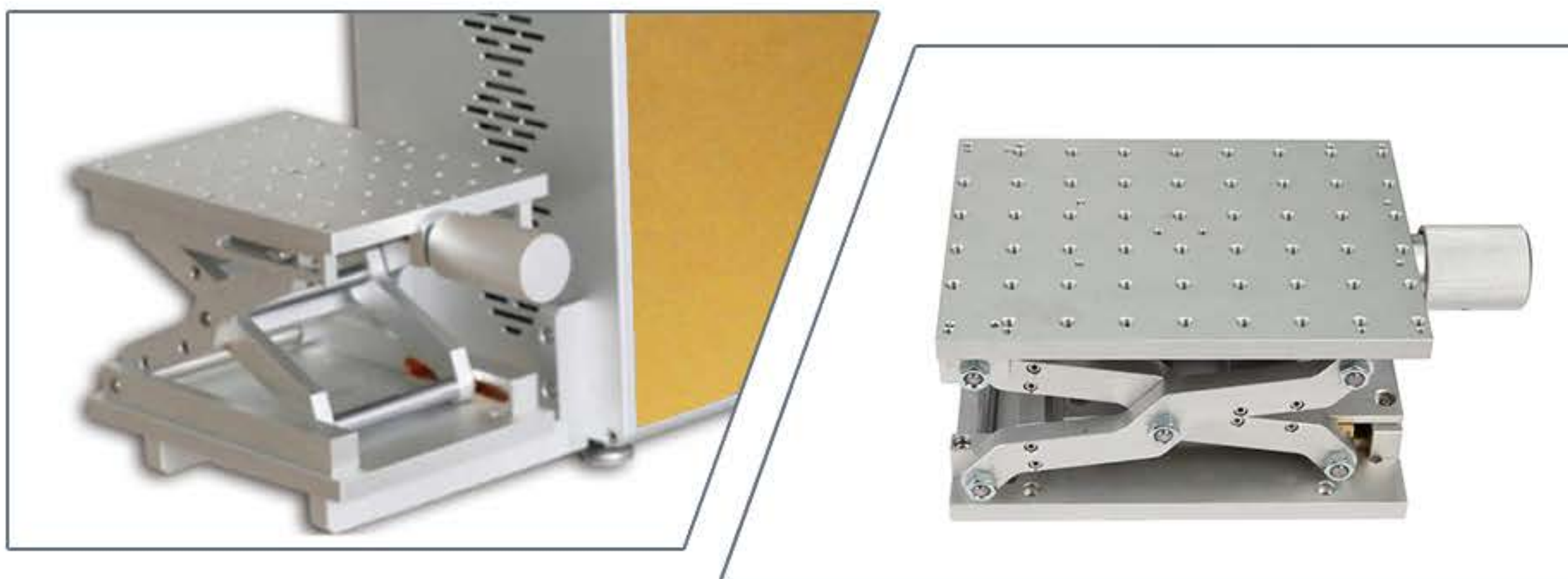
SOFTWARE

1. Powerful editing function.
2. Friendly interface.
3. Easy to use.
4. Support Microsoft Win XP, VISTA, Win7/10 system.
5. Support ai, dxf, dst, plt, bmp, jpg, gif, tga, tif and other file formats.



05

WORKING PLATFORM (OPTIONAL)



Alumina working platform and imported precise beeline device, Up and down. Flexibility mesa have multiple screw holes, convenient and custom installation, special fixture industry platform.

06

RED LIGHT PREVIEW

Adopt Red light preview to show the laser path since laser beam is invisible.





07

FOOT SWITCH

It can control the laser on and off.
make the operate more convenient.

07

GOGGLES(OPTIONAL)

Can protect eyes from laser wave
1064nm, let the operate more safe.







USB computer interface

AIR COOLING SYSTEM

Rotary device interface

Foot pedal interface

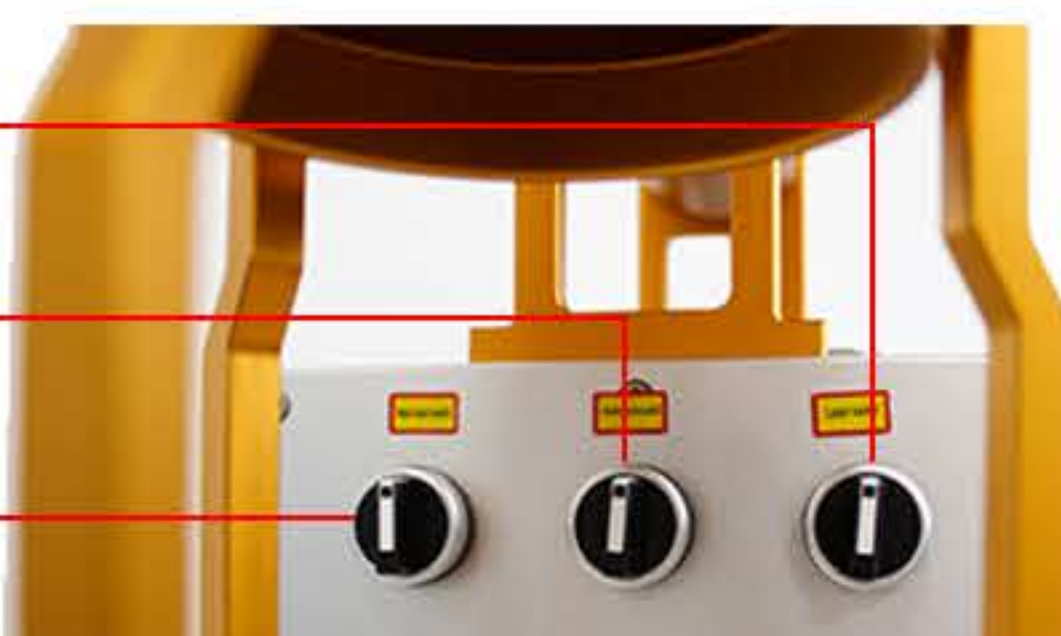
Power interface

Ground wire


Laser switch

Vibrating mirror switch


Main board switch



ROTATION AXIS AND PLATFORMS(OPTIONAL)



ROTARY CHUCK



2D / 3D TABLE AND EXTENDED PLATFORM

APPLICATION

FOSTER LASER

Fiber laser marking machine can work with most metal marking applications, such as Gold, Silver, Stainless Steel, Brass, Aluminium, Steel, Iron etc. and can also mark on many non-metal materials, such as ABS, Nylon, PES, PVC, Makrolon.



U disks



Gear



Nameplate



Phone shell



Surgical Instruments



Bearings



Ruler



Metal cup



Tool



Pen



Nameplate



Lighter



Coating Aluminum



Rotary marking



Color marking



Gold/Silver Ring



SD card



Lamp head



Meters



Nail polish



Button



Power Bank



Bank card



Animal Ear Tags



Capacitors



Cosmetic Boxes



Ceramic



Glasses

DELIVER GOODS

FOSTER LASER



Machine cleaning and
Protective oil processing



Wrapping with
protective film



Wooden box sealing



Container Sealing
and Transportation



container loading



Forklift moving goods

ACCESSORIES

FOSTER LASER



Tool protection



Focal length ruler



Data Line



Power Cord, Ground wire



U disk



Tool protection



Foot Switch



Positioning strip(optional)

Our certificate

Foster Laser Technology Co., Ltd.

