XPARTS LASER

Manufactures of Etching, Engraving and Cutting Machines

XPARTS LASER

World Class

Marking Machines

Fiber Laser Marking Machine

XPARTS LASER FIBER LASER MARKING MACHIEN

Industrial laser engraving is rapidly growing industry in the World. Particularly because there is virtually no limit to the number of material that can be engraved whether you are using metal like SS, MS, Brass or Copper, or non metal like Plastic, ABS, silicon wafer, ceramics, rubber, epoxy resin, ABS, printing ink, plating, and coated film etc., Widely used in electronic part and component, electrical engineering, electrical appliances, telecommunication product, car and motor car automotive parts, instruments, plastic case, aviation and aerospace, military products, measuring instruments, cutting tool, sanitary tools, stationers, surgical instruments, clock and jewelry, solar PV, light housings etc. increasingly looking for laser engraving solutions.

Air-cooled fans draw air through
Diode cluster
Fiber coil ytterbium
Fiber coupler
Max Fiber Laser Generator (Adopt Germany IPG Technology)
Fiber optic cable
Laser beam
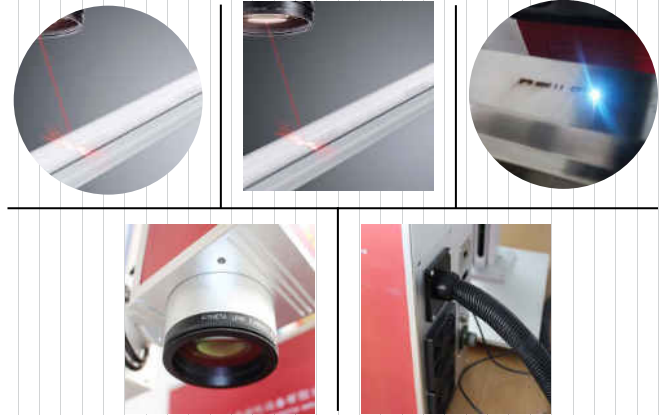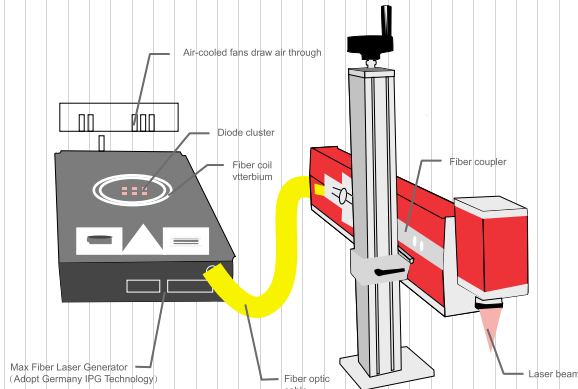
Basic Principle : The Fiber Laser Process...

The Fiber Marking Machine offers the best electro-optical conversion rate. It is fitted with the worlds most advanced laser generator. The machine is superior in many ways. It is robustly built, the power output is stable, has a good air cooling system and a great design.

The laser generator contains a Fiber Bundle that is doped with Ytterbium, and light emitting diodes are then pumped into it. The laser light is then fiber delivered to the optical head that consist of a beam expander, collimating optics and back reflection protection.

Features & Benefits

- **Performance**
- Highly versatile and offers high precision marking
- Marks all surfaces with a min. line width of 0.01mm
- Bar code/2D Code/Sq. Number marking possible
- High speed marking of up to 7000mm/s
- Supports high-defination logo and image marking
- Laser beam Quality is much better then the traditional

- **Easy of USE**
- Easy to move and operate
- Desktop and Portable Structure as requirement
- Easy to handle software EzCAD
- Software Supports Files of JPG/.BMP/.PLT/.DXF
- Maintenance Free

- **Reliability**
- No fear of Shock during operation
- Superior Quality Laser Module(Life 50K-100K)
- Ability to work 24/7

- **Security**
- Efficient Air Cooling System
- The high speed flow pump offer working stability
- CE Certified Products eliminates all risk for users

Optional Designs

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FIBER LASER DESKTOP MODEL

Specifications

- Desktop Table Mounted Laser Unit Structure with manually focusing system and user friendly operation
- Imported Imported isolator for protection of the fiber laser generator to increase the stability and prolong the laser life
- Laser beam quality is much better than the traditional laser marking machine. Due to micro focus diameter good for delicate marking.
- It can curve metal material and certain non-metals materials and is widely used in fields that have high requirement on depth, smoothness and fine. Bitmap marking, can curve beautiful pictures on the surfaces of metal and plastic.
- High electricity - laser exchange ratio, gross electricity consumption is less then 500W, which is 1/10 of YAG's laser consumtion.
- EzCAD Laser software supports files of Corel Draw, AutoCAD, Photoshop such as .PLT, .PCX, .DXF, .JPG, .BMP, .GIF etc.
- .BMP, .SHX or .TTF can be directly adopted; the functions such as auto coding for sequence No., Group Mark, date, Barcode. 2D Matrix Code, and so onc.

Model	XL10I	XL20I	XL30I
Laser Type	Fiber laser IPG GERMAN		
Power Output	10W	20W	30W
Standard Marking Area	110mmx110mm		
Optional Marking Area	150mmx150mm / 200mmx200mm		
Marking Speed	7000 mm/s		
Repeated Precision	0.001mm		
Wave Length	1064±10nm		
Frequency Of Pluse	20-80KHZ		
Marking Depth	≤0.05mm (depends on material)	≤0.1mm (depends on material)	≤0.2mm (depends on material)
Mini Line Width	0.01mm		
Mini Line Characters	0.2mm		
Power Supply	AC220V±10% 50Hz or AC110V±10% 60Hz		
Cooling	Air cooling		
Operation Temperature	10-35°C		
Laser Generator Life	50000~100000 hours		
Software	EZCAD (PC required)		
System / Compatible Formats	Windows XP or 7/AI, PLT, DXF, DST, BMP, JPG, JPEG, PNA, TIF etc.		

FIBER LASER TABLE TOP MODEL

Specifications

- Single Unit Structure with manually focusing system and user friendly operation
- Imported Imported isolator for protection of the fiber laser generator to increase the stability and prolong the laser life
- Laser beam quality is much better than the traditional laser marking machine. Due to micro focus diameter good for delicate marking.
- It can curve metal material and certain non-metals materials and is widely used in fields that have high requirement on depth, smoothness and fine. Bitmap marking, can curve beautiful pictures on the surfaces of metal and plastic.
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Model	XL10J	XL20-J/TT	XL30-J/TT
Laser Type	Fiber laser JPT MOPA		
Power Output	10W	20W	30W
Standard Marking Area	110mmx110mm		
Optional Marking Area	150mmx150mm / 200mmx200mm		
Marking Speed	7000 mm/s		
Repeated Precision	0.001mm		
Wave Length	1064±10nm		
Frequency Of Pluse	20-80KHZ		
Marking Depth	≤ 0.05mm (depends on material)	≤ 0.1mm (depends on material)	≤ 0.2mm (depends on material)
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