Ceekay Tools

Fiber Laser Marking Machine

Q Switched Fiber Laser Marking System are safe, state-of-the-art and alternatives for Nd:YAG and Nd:YVO4 Lasers (Lamp-pumped, side-pumped diode and End-pumped diode). Components including a Q Switched Fiber Laser of MOPA Fiber Laser with Scan Head, Industrial PC Controller, Power Supply, Marking Software and Laser safety enclosure.

1. With international high-quality fiber laser, it can mark all sorts of precise patterns according to customer requirements.
2. Multiple power laser light source, available for many industries.
3. Fast speed, high efficiency, stable output power, high reliability.
4. Ling life, maintenance-free within 1,00,000 hours, operated in 24 x 7 hours working condition.
5. High electro-optic conversion efficiency, little energy coupling loss, less power consumption with just 0.5 kW/hr.
6. Small and compact size, easy to carry, save production space.

USE

It is widely used in electronic components, hardware, electrical industry, daily consumer goods, sensors, auto parts electronics, crafts, precision apparatuses, gifts and ornaments, medical equipments, high-low-voltage appliances, bathroom accessories, battery industry, IT industry, etc

Typical Applications :

- Marking
- Coding
- Processing on the fly
- Rotary Marking

Typical Industries :

- Automobiles
- Electronics & Semiconductors
- Food & Beverages
- Jewellery
- Medical
- Machinery
- Tools and Tooling

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Specifications

Models	BT-10	BT-20	BT-30
Average Output Power	10W	20W	30W
Laser Type	Fiber Laser		
Linear speed	8000mm/Sec		
Marking Area	100x100mm (Optional)		
Wavelength	1064nm		
Beam Deflaction	Digital High Speed Galvanometer		
Min Cha. Height	0.2mm		
Marking Depth	2 mm (Depending on Material)		
Power Supply	AC 220V 50KHz		
Cooling	Air Cooled (Temp : 24C to 27C) (Recommended)		
Power Consu.	0.5kW/hr.		
Weight	150 kg		
Dimension	1250 x 650 x 650 mm		
Protective Cover	Optional		
Z Axis	550 mm, Motorized and Manul (Both Option)		

Features

- Fiber laser with pulsed and CW Operation
- 1,00,000 hr. MTTF Tested diode life time
- High speed Making Compatible
- First and last pulse equally usable
- Bitmap marking compatible
- Maintenance free operation
- Maximized peak power over full operational repetition rate
- Automatic pump diode timing control

Common Specification

Hardware Requirements

Intel Dual Core Processor
Gigabyte Motherboard
160 GB HDD, 2 GB RAM
17" Monitor & Keyboard Mouse
Interface : USB INTERFACE
Operating System : Win 7 OS / 32 bit / 64Bit Supported.

Software Features :

Characters Formats	All true Type fonts installed under windows OS, Filled of outline
Font Direction	Any alignment and font dir-ection circular, arc marking
Graphic Elements	Line, Circle. Rectangle, Poly-gon, all surface elements filled or unfilled.
Graphics Formats	JPEG, Bitmap, DXF, PLT DST, Gerber bot

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