

FIBER LASER MARKING MACHINE

EVAN-10/20/30/50/100

EVAN

Features

- ☑ First and last pulse equally useable
- ☑ Bitmap marking compatible
- ☑ High repeatability/stability design
- ☑ Status monitoring and safe shut down
- ☑ High speed marking (MHz repetition rate)
- ☑ Long using time : the average using time more than 100000 hours
- ☑ Good stability and free maintenance :
No need to maintenance for laser advice
- ☑ High quality gray scale marking

EVAN laser provides a fast, flexible and efficient way to permanently mark a wide variety of materials such as Metals, Plastics, Ceramics, Silicon etc.



Application

- ☑ Auto Parts
- ☑ Hardware
- ☑ Watch & Clock
- ☑ Marking anodized & painted material
- ☑ Serial Numbers
- ☑ Manufactures Information
- ☑ Barcodes
- ☑ Logos
- ☑ Packaging
- ☑ Solar Industry
- ☑ Medical Device
- ☑ Marking Metal & Plastics
- ☑ Data Codes
- ☑ Materials Flow
- ☑ 2D Data Matrix
- ☑ Graphics



With Safety Enclosure



Rotary Attachment for Cylindrical Marking



Hand Held Equipment

Highlights

- ☑ High Peak Power
- ☑ Excellent Beam Quality
- ☑ Dynamic Pulse Shape Control
- ☑ Proved Reliability
- ☑ Maintenance Free Operation

Advantages

Fiber lasers are up to ten times more efficient than traditional YAG or CO₂ laser systems. Consuming little to no energy when not active, the annual energy saving can attract government grant funded energy efficiency programs for industry.

Fiber lasers have no optic to adjust or align, and no lamp to replace. Maintenance is minimal and so utilization and up-times are maximized. The lasers really are designed as shop floor industrial tools.



FIBER LASER SOURCE

Specification

| Model | Evan-10 | Evan-20 | Evan-30 | Evan-50 | Evan-100 |
|-------------------------------|---|-------------|-----------|------------|-------------|
| Output Power | 10 W | 20 W | 30 W | 50 W | 100 W |
| Wavelength | 1064 nm | | | | |
| Power Adjustment | 0 to 100 % | | | | |
| Cooling | Air Cooled | | | | |
| Min. Line Width | Min. 0.03 mm (Depend on Material) | | | | |
| Max. Speed | Max. 10000 mm/s (Max. Linear Speed) | | | | |
| Marking Depth | 0.01 ~ 0.3mm (Depends on Material) | | | | |
| Min Character Height | 0.5 mm | | | | |
| Marking Range | 145 mm X 145 mm(Standard) Optional : 175 X 175 mm & 300 X 300 mm | | | | |
| Supporting Format | Support PLT, DXF, BMP File etc., Using SHX TTF Character Storage Directly | | | | |
| Single Pulse Energy (mj) | 0.5@20KHz | 1.0@20KHz | 1.0@30KHz | 1.0@50 KHz | 2.0@50 KHz |
| Repetition Frequency Range | 20-80 KHz | 20-80 KHz | 30-80 KHz | 50-100 KHz | 50-100 KHz |
| Output Power Stability | <3% | | | | |
| Beam Quality(M ²) | <1.5 | | <1.8 | | <2.0 |
| Pulse Width(ns) | <100@20 KHz | <130@20 KHz | | | <200@50 KHz |
| Power Supply | AC 220 Volt | | | | |
| Max Power Consumption | 120 Watt | 200 Watt | 250 Watt | 300 Watt | 500 Watt |

Specifications are liable to change without prior notice.
Computer system will not be provided with the machine.
Total machine power consumption is 1KW.



Invisible laser radiation avoid eye or skin exposure to direct or scattered radiation.



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