

# FIBER OPTIC LASER MARKING SYSTEM

## AHL - FB10



### Introduction

AHL fiber laser marking systems adopt the overall design of a seamless, fiber transmission technology. It have the high efficiency, long life and maintenance-free etc properties compared with other lasers. It is one of the successful models of collaboration between AOHUA laser and German companies.



### application

the application scope is a broad, particularly suitable for the label Creation of the metal tools, tool kitchen utensils, plastic products, computer keyboards, metal jewelry, buttons, integrated circuits, packaging, bottles, eyeglass frames, sanitary fittings leading products etc.



### Characteristic

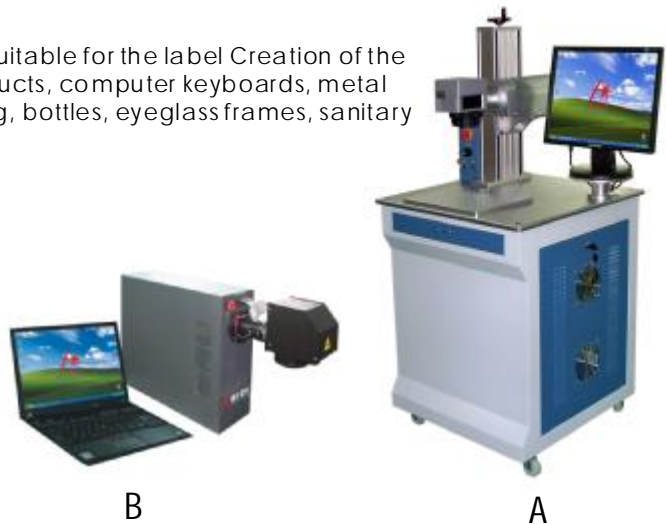
**High-definition:** the resolving power is 1 micro: compared with traditional products, it is more than 10 times.

**Least power:** compared with traditional products, it is 1 / 25~1 / 10 times.

**Fast speed:** compared with traditional products, it is more than 5 times.

**Most stable:** similar products is incomparable

**Long lifetime:** compared with traditional products, it is more than 10 times.



	Parameters	Specifications
Fiber laser	The average output power	10W(Continuous or pulse)
	Laser Wavelength	1064nm
	The Power adjustment scope	10-100%
	Repetition frequency	20-100KHz
	The output beam quality	<1.5M2
Marking Performance	Marking lines depth	≤1.2mm
	The smallest Focused spot	0.005mm
	The minimum character height	0.15mm
	Repetition accuracy	±0.001mm
	Line speed	12000mm/s
	Marking format	Graphics,text, bar codes, two-dimensional codes, automatic marking dates, frequencies, batch number, serial number
	Operating system	WINXP , Support PLT, PCX, DXF, BMP, SHX, TTF
Physical	Standard marking area	100mm×100mm
	Marking area option	50mm×50mm 150mm×150mm 200mm×200mm
	Power consumed	≤160W
	Electrical source	220V±10%/50Hz/4A
	Cooling method	Air-Cooled
	Control Interface	USB
	Laser modules life	>100000 小时
	Laser	IPG
Resonance	SCANLAB	

SHENZHEN AOHUA LASER TECHNOLOGY CO., LTD

Add: Longjing Industrial park, Yangmei, Bantian Longgang district Shenzhen, Guangdong, China Tel: +86-755-88869818 Fax: +86-755-84505046  
<http://www.ahlaser.com> Email: [ahlaser@ahlaser.com](mailto:ahlaser@ahlaser.com)