

portable fiber laser marking machine



Product's description:

1. fiber laser marking machine is the 3th-generation laser marking machine which is manufactured by the most advanced laser technology in current of the world.
- 2.The quality of laser beam is very good(near to the limit of diffraction,exporting TEM00 fundamental transverse mode, M2 near to 1,expanding angle of laser beam is only 1/4 of the diode laser marker),Therefore it is very suitable for delicate marking.
- 3.With high repeat frequency of the pulse,power output steadily,energy surge of single pulse is lower than 1%,it can achieve high speed marking,and control the depth and shape of the facula .
- 4.The processing speed is 2-3 times than the traditional marking machine.
- 5.Air cooling,the size of the machine is very small.
- 6.Long life,ultra-low power consumption,the conversion efficiency is more than 30%, the unit power of the machine is no more than 0.5kw!
- 7.With red light positioning device accurately indicates the location of the processing of the laser head, eliminate the trouble about manual positioning.

Technical Parameter:

Model	PC-F
Laser power	10W/20W/50W
Laser Wavelength	1065±10nm
Q-frequency	20KHz~100KHz
Divergence	0.3mard
Marking range	180*180mm
Minimum line width	0.01mm
Minimum character	0.1mm
Marking speed	10mm/s

Marking depth	0 ~0.2mm
Engraving line speed	≤7000mm/s
Repeatability accuracy	±0.001mm
Beam quality	M2:1.2~1.8
Marking Format	Graphics, text, bar codes, two-dimensional code, automatically marking the date, batch number, serial number, frequency,etc.
Graphic format supported	bmp,jpg,gif,tga,png,tif,ai,dxf,dst,plt,etc
working voltage	220V±10%/50Hz/4A
Unit power	<0.5kw
Use of the environment	Clean and dust free or dust less
Working condition:Humidity	5%-75%, free of condensed water
Laser module life	>100000 hours

Applicable Industries:

Mobile phone keypad, plastic translucent keys, electronic components, integrated circuits (IC), electrical appliances, communication products, sanitary ware, tools, accessories, knives, eyeglasses and clocks, jewelry, auto parts, luggage buckle, cooking utensils, stainless steel products and other industries.

Applicable Materials:

Metals (including rare metals), engineering plastics, electroplating materials, coating materials,coating materials, plastics, rubber, epoxy resin, ceramic, plastic, ABS, PVC, PES, steel, titanium, copper and other materials.

Working video:<http://youtu.be/FWb5ly-GQn8>