

# Desktop Fiber Laser Engraving Machine

## CSC 50W DFL

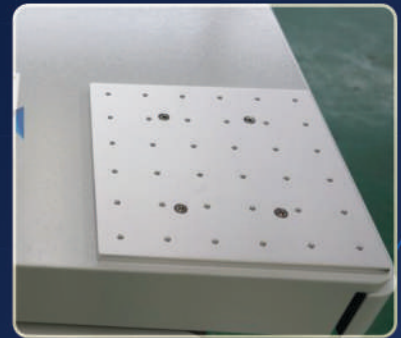




Raycus Laser Source



Desktop



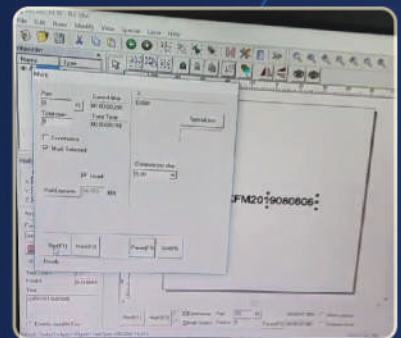
Aluminum Working Tabel



Field Lens



Galvanometer



Software



Control Box



Beijing JCZ Board Card



Machine Buttons



Different Connection



Keyboard



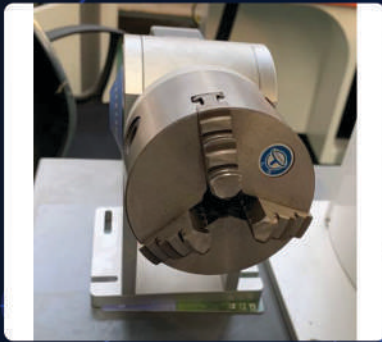
Air Cooling

## Configuration

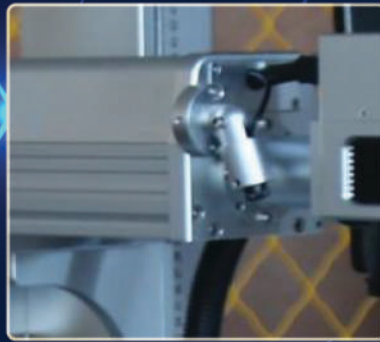
- #Desktop computer
- #Raycus Laser generator 50W laser power
- #Table: Aluminum alloy table
- #Red point
- #Cooling system: air constant temperature cooling system
- #Field Lens : Singapore wave length technology 300\*300mm - CARMANHASS or OPEX
- #Galvanometric scanning system Beijing Century - SINO SG7110
- #Control system: PC control system
- #Beijing JCZ card board and EZCAD
- #Graphic format: BMP,JPG,GIF,PNG,AI,DXF,DST,PLT,etc
- #Support interface: English language

Table of content	CSC 50W DFL
Laser power	20 w, 30 w, 50 w
Working area	70x70, 110x110, 150x150, 175x175, 200x200 mm
Cooling system	Air cooling
Table	Aluminum alloy working table
Control software	EZCAD control software
Operation system	Microsoft Windows XP or Windows 7,10
Laser wavelength	1064 nm
Graphic format supported	BMP, JPG, GIF, TGA, PNG, TIF, AI, DXF, DST, PLT, etc.
Response time	0.5 ms
Life span	90,000 hrs
Frequency of pulse	20-80 khz
Max. marking depth	≤ 0.4 mm
Marking speed	≤ 8000 mm/s
Marking lines	1-10 lines(in the marking area)
Min. line width	0.01 mm
Min. character	0.15 mm
Repeatability accuracy	+/-0.002 mm
Resolution ratio	0.1 mm
Marking content	Text, Pattenr, Date, Barcode, etc.
Unit power	≤ 1 kw
Operation temperature	5-40 degree centigrade
Relative moisture	≤ 90%, no fog
Supply voltage	220 v / 50 hz - 60 hz
Material	All metal and some nonmetal marking





Rotary unit



Easy-focus red point



Fixture

## Application Materials:

**Metals:** Iron, Gold, Silver, Copper, Zinc, Alloy, Aluminum, Stainless steel, Name card

**Non Metal:** Engineering plastic and Hard plastic, Material used in electronic components integrated circuits, Mobile communications, Precision instruments.

Computer equipments, Accessories, Auto parts, Plastic buttons, Pipe fitting, PVC materials, Medical equipment, Packaging bottles, etc.

## Application Materials:

Jewelry, Keyboards of cellphone, Auto parts, Electronic components, Electronic appliance, Communication apparatus, Buckles, Kitchenware, Sanitary equipment, Hardware tools, Clock, Cooker, Stainless steel, etc.

