

## **Desktop portable handheld fiber laser engraver - Fiber laser marking machine**



### **Applicable Materials of desktop portable handheld fiber laser engraver - Fiber laser marking machine :**

Copper, aluminum, stainless steel, iron, hard alloy, chrome, titanium, Gold, silver etc. metals materials and plastic, etc. non-transparent non-metal.

## MARKING METAL



U disks



Gear



Nameplate



Phone shell



Surgical Instruments



Bearings



Ruler



Metal cup



Tool



Pen



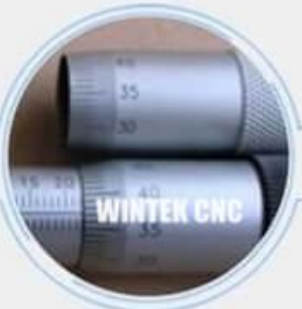
Nameplate



Lighter



Coating Aluminum



Rotary marking



Color marking



Gold/Silver Ring



## MARKING NON-METAL



SD card



Lamp head



Meters



Nail polish



Button



Power Bank



bank card



Animal Ear Tags



Capacitors



Cosmetic Boxes



Ceramic

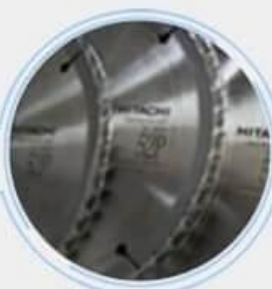


Glasses

## MARKING METAL



U disks



Gear



Nameplate



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Tool



Pen



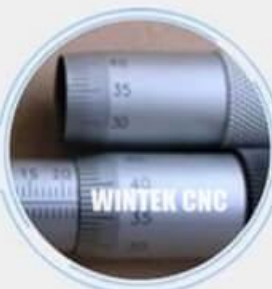
Nameplate



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## APPLICABLE INDUSTRIES



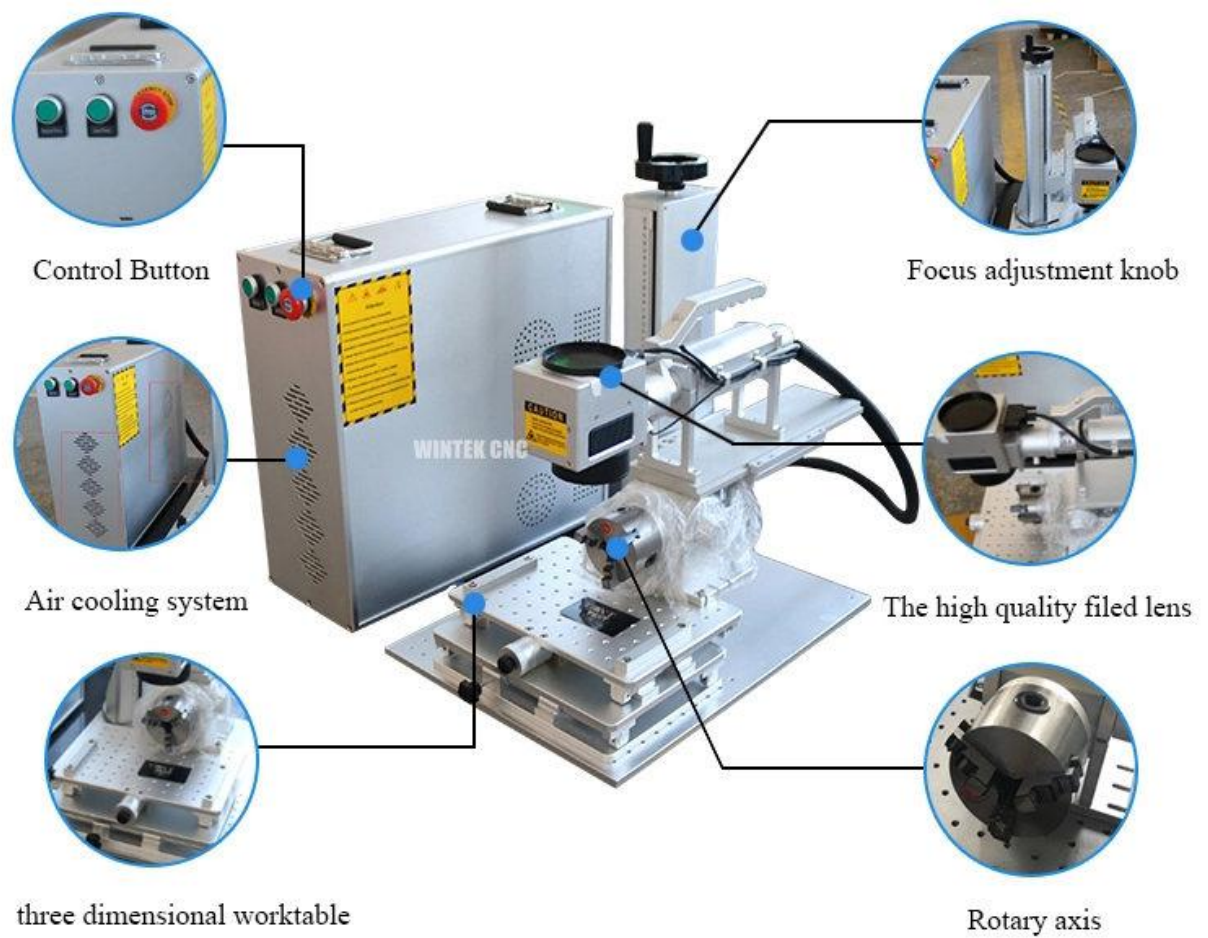
Mechanical Parts:	Bearings, Gears, Standard Parts, Motor, etc.
Instrument:	Panel Board, Nameplates, Precision equipment, etc.
Hardware Tools:	Knives, Tools, Measuring Tools, Cutting Tools, etc.
Daily Necessities:	Handicrafts, Zipper, Key Holder, Sanitary Ware, etc.
Automobile Parts:	Pistons and Rings, Gears, Shafts, Bearings, Clutch, Lights, etc
Electronic Components:	Resistors, Capacitors, Chips, Printed Circuit Boards, Computer
	Keyboard, etc.

Technical Parameter of desktop portable handheld [fiber laser engraver](#) - Fiber laser marking machine :

Type	desktop portable handheld fiber laser engraver - Fiber laser marking machine
Laser Power	20w/30W/50w/75w/100w
Laser Wavelength	1064nm
Marking Area	110*110mm/200mm*200mm/300*300mm
Lifting range	50cm or customized
Laser source brand	Max/Raycus/ IPG
Laser source lifetime	≥100,000 hours
Marking Line Width	0.01-0.1mm

Marking depth	<2mm(depending on the material)
Max Marking Speed	7000mm/s
Repeatable Accuracy	0.001mm
Min Letter	0.15mm
Cooling System	Air Cooling
Modulation Frequence	20kHz~200kHz
Working Voltage	AC220V/110V
Unit Power	<0.5kw
Software	Ezcad
compatible system	win7 ,win 8, win 10, XP
Packing size(L*W*H)	84*40*74cm/76*92*114
Gross weight	75kgs/85kgs





Details of Desktop portable handheld fiber laser engraver - [Fiber laser marking machine](#):



## MAIN PARTS

### Laser Source

We use Chinese best brand Raycus laser generator with best cost performance.  
Optional: CAS/MAX/IPG/JPT color marking laser source



### Galvo Head

- 1). High speed galvanometer scan head adopting SCANLAB technology, digital signal, high precision.
- 2). Flat field images with micron-order diffraction-limited spot sizes are available.



### Field Lens

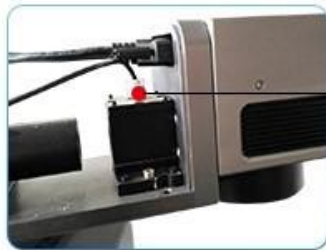
Singapore Famous " Wavelength" brand, fast speed,high transparent rate.



### Control System

Beijing JCZ board card and EZCAD software with stable performance and high reliability. The machine include computer,before delivery, software and parameter are set.





1) Inner red light pointer



2) Outer red light pointer

## Double red light pointer

When two red light coincide, it is best focus. Double red light pointer help customers make focus quickly and easily.

## 2D Table

Standard table size is 220x300mm.  
It can move from left to right and from front to back. It can also fix material.



## Protect glasses

For 850-1300 nm, has OD4+, 6+ protection, covers wide Infrared range, lower VLT.  
Applications: For Nd: YAG, Fiber laser.



## Light device

Easy to operate at night

## Rotary



1) Ring marking rotary



2) General rotary



3) Integrated rotary

**Advantage of Wintek desktop portable handheld fiber laser marking machine:**

- 1) Under operation system: windows xp , windows 7 , windows 8/10
- 2) Support Characters , digital, series NO, Date codes
- 3) Various types of fonts are supported. Such as TrueType, JSF(Single line font ), DMF(Dot Matrix Font, One-Dimensional bar code, Two-Dimensional bar code , and so on
- 4) Common types of images are supported. (bmp, jpg, gif, tga, png, tif...)
- 5) Common vector images are supported. (ai, dxf, dst, plt...)
- 6) Flexible variable text : changes the text real time while in laser processing . Excel data sheet is supported.
- 7) Imported fiber laser system
- 8) Excellent optical mode, long operating life.
- 9) The highest electro-optical conversion efficiency, up to 80%, but gross power less than 600W
- 10) Small size, steady, without maintenance, easy to operate
- 11) High precision, suited for fine processing on all metal and some non-metal.
- 12) This machine adapts the fiber laser and has high electro- optical conversion rate, the quality of laser beam is good, cooling with air-cooling methods, it has smaller shape, low power and much more energy-efficient.
- 13) Divergent Angle is about a quarter of the pump laser semiconductor, especially mainly used in precise, fine marking, low using cost, electro-optic conversion efficiency is up to 30%

**After sale service for [wintek cnc machines](#) :**

1. 24 hours Technical support by Email or Calling .
2. English manual and CD video for machine using and maintaining.
3. Hardware: 1 years for machine, 6month for laser tube (without person damaged).

Software: Whole life on update for free.

Maintenance and technological support: Whole life.

**Inner quality control system for [laser marking machine](#) :**

In order to show you our best quality ,please allow me to introduce our quality control system as follows:

#.In the processing of production, our professional technical engineers inspect the processing to ensure the quality of products



- #.Every machine must be tested before delivery for 8 hours , all of them are absolutely qualified.
- #. Main parts(excluding the consumables) shall be changed free of charge if there is any problem during the warranty period.
- #.Lifetime maintenance free of charge.
- #.We will provide the consumable parts at an agency price when you need replacement.
- #.Machine has been adjusted before delivery.
- #.Our staff can be sent to your company to install or adjust if necessary.