



### **Features of fiber laser marking machine:**

#### **1. Best Marking Effect:**

The laser beam of [fiber laser marking machine](#) is fine and thin. Color marking can provide the better marking effect among all the laser machines. Especially good at smallest character marking on metal. When do color marking, only stainless steel material is acceptable.

#### **2. Deep Marking:**

Wintek Laser's [laser marking machine](#) can engrave stainless steel and make deep marking up to 1.0mm on stainless steel and aluminum. While YAG and Diode marking only could mark 0.2mm-0.3mm.

**3. Higher Accuracy:** fiber laser can reach up to 0.001mm precision, while diode only 0.01mm.

#### **4. 10 Years Long lifetime:**

Adopt the technology from Germany IPG, the fiber laser source's lifespan can reach 100,000 hours, enable this colorful stainless steel marking machine to be used for 8-10 years.

**5. No consumables:** The color laser marking machine can be used for 8-10 years without any consumables.

6. No need to adjust the laser path.

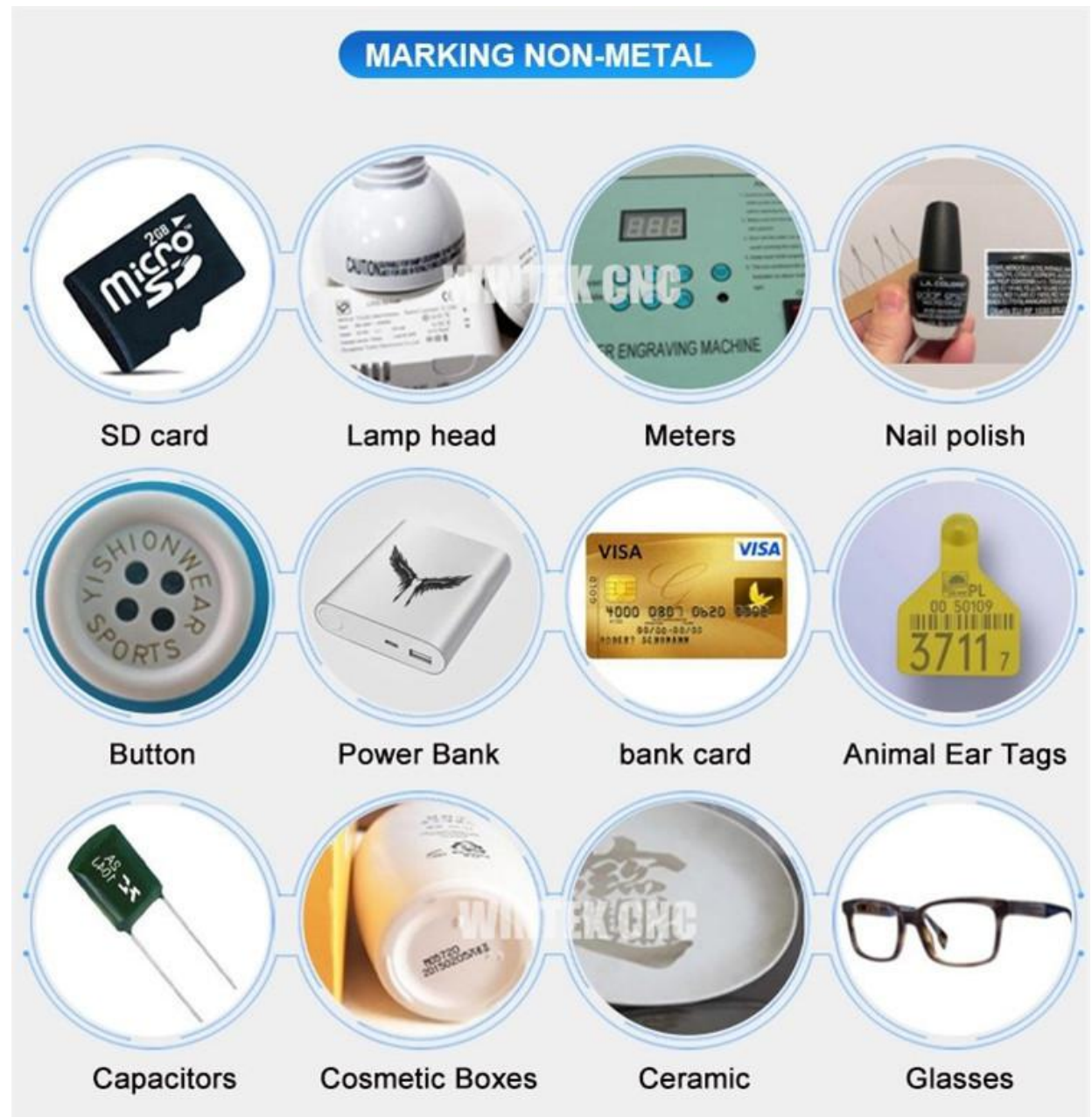
7. Free of Maintenance.

8. Use Integrated Air Cooling.

9. Low Power Consumption: low cost, only 0.5kw/hour.

10. Small and compact: the volume of Perfect Laser's colorful laser marking machine is small, only 0.15 M3.

**Sample:**





**Technical Parameter of fiber laser marking machine for sale :**

Technical Parameters	
Type	<a href="#">Fiber laser marker</a>

Power	20W 30W 50W
Laser Wavelength	1064nm
Marking Area	110*110mm,150mm*150mm, 175*175,200*200 mm
Marking Depth	≤1mm
Marking Speed	2000mm/second
Minimum Line Width	0.01mm
Minimum Character	0.15mm
Repeated Precision	±0.002mm
Life-span of Fiber Laser Module	100 000hours
Beam Quality	M2 <1.5
Laser Wavelength	<u>1064nm</u>
Output Power of Laser	10%~100% continuously to be adjusted
System Operation Environment	Windows XP / W7--32/64bits / W8--32/64bits
Cooling Mode	Air cooling--Built-in
Temperature of Operation Environment	15℃~35℃
Power Input	110/220V ± 10% /,50/60HZ
Power Requirement	<500W



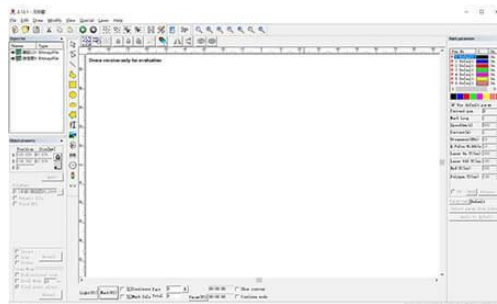
Communication Interface	USB2.0
Machine Dimension/with package	700mm*320mm*650mm/845*465*750mm
Net Weight/gross weight	75KG/85kgs
Optional (Not free of charge)	Rotary Device

**Details show of animal cattle ear tag laser engraving machine:**

### ■ Benefits of the laser marker

#### **A laser marker that lowers cost per mark**

The Wintek fiber laser marking machine is ideal for marking large quantities of small- to medium-sized parts such as pens, USB drives or dataplates. High-speed processing, ease of use and minimal maintenance help you lower cost per mark.



#### **As easy as printing**

The original laser marking software EZCAD (Beijing JCZ) acts like a printer driver. Users can design their graphics freely. The software can support 265 "pencils", which used to draw graphic and can be set different processing parameters. Common types of images and vector images are supported. (bmp, jpg, gif, tga, png, tif, ai, dxf, dst, plt.)

### Minimal ownership costs

The Wintek Fiber laser marker includes a built-in fiber laser head that is highly reliable and practically maintenance free. The energy consumption of the machines is very low. Costs for consumables, spare parts or machine maintenance are non-existent.



### Focus Finder for Laser Focusing

Cloudray galvo laser marking machines can be equipped with a focus finder to make focusing the laser much easier. The focus finder will not only save you time during set-up, but helps ensure marking precision. The focus finder employs a second "pilot" laser to accurately determine the correct working distance without any tools.

### Laser Safety Goggles

Laser safety goggles are a must-have for protecting the eyes when working with class 4 laser machines.

Wavelength: 1064nm

Optical Density OD4+

CE Certification

Available for: Cloudray Fiber Marking Machine



## ■ Technical Data



## ■ Components

### Fiber Laser



# Galvanometer



High Stability, High Reliability, High Quality

Aperture	10mm
Marking Speed	7000mm/s
Positioning Speed	15000mm/s
Typical Scan Angle	$\pm 0.35$ rad
Nonlinearity	<0.5 mrad
Tracking Error	0.15ms

## F-theta Lens



- Small Focus Spot
- Low Absorption
- Deep Edge Marking
- Long Life Span
- Various Specifications



# Fiber Marking Card

Original BJJCZ



Lite Version



Standard Version

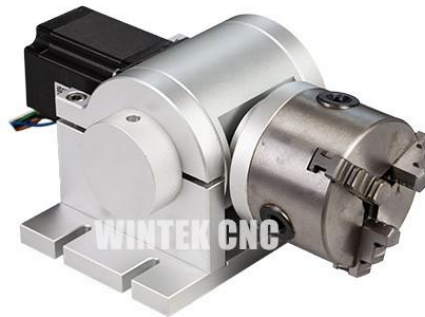
■ Upgrades

## Working Table

X/Y Axis 220\*300mm



## Rotary Unit



Marking cylindrical and curved objects with the laser requires a rotary engraving unit. With the rotary engraving unit, your markings are cleanly and precisely put on the rotating object.