



ANHUI WILLIAM(VICUT) CNC TECHNOLOGY CO.,LTD

Fiber Laser Marking Machine



Desk-top Type



Portable Type



Table Type



Vertical Type



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Features

1. High quality laser path suitable for delicate marking. Reach to the limit of diffraction. Export TEMOO of fundamental transverse mode. M2 near to 1. Beam divergence angle is only 1/4 of diode laser. Focus dot diameter is not over 20 um.
2. High pulse repeating rate and stable power bring high speed laser marking. Unit pulse power surge is lower than 1%. Easy control laser dot size, thickness and shape.
3. High speed 2-3 times over than traditional diode pumped marking machine.
4. Long lifetime. Ultra-low power consumption of 0.5kw. Efficiency conversion reaches to over 30 %.
5. Suitable for various fiber laser generators, make color-marking on stainless steel (code 304).
6. Table Type VCT-FT: This table type is a completely worktable, the electronic parts are inside of the machine body, nice design and good looking. This is the most popular type. (Standard Up-down height: 550mm, can make to 800mm)
7. Portable Type VCT-FP: This type machine with small body size, very easy to carry. It's suitable for using on marking on light and small pieces of materials. You can adjust the up-down worktable according to the different thickness of materials. (With adjustable working table)
8. Desk-top Type VCT-FD: This type can be put on the worktable, easy to move. The marking head can be adjusted easily according to the different thickness materials. (standard marking head height is 550mm, can reach to maximum 800mm)
9. Vertical Type VCT-FV: With foot wheels on the bottom of machine body, this vertical type machine can be easily moved to anywhere and fixed it to the ground. So it's very good for marking on some heavy materials which is not easy to be moved. The marking head also can be adjusted for 100cm according to the different thickness of materials. (the height of marking head can be customized.)

Applications

1. 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.

2. Applicable Materials:

Metal and nonmetal un-transparent materials including stainless steel, copper, iron, aluminum, carbon steel , titanium, plastic, electroplating materials, coating materials, epoxy resin, ceramic, ABS, PVC, PES, etc.

Technical Parameter


Model	VCT- FP(V/D/T)
Laser Power	10W IPG fiber laser power; 20W /30W/50W/70W/100W Raycus & IPG fiber laser power;
Laser source	China Raycus & USA IPG
Scan Head	High quality made in china (USA CTI Scan Head is optional)
Color Marking SS	YES (need professional skill)



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Fiber Laser Source Frequency (more power means more marking depth; same power, low frequency means more marking depth.)	Raycus 20W/30W: 30KHz~60KHz Raycus 50W: 50KHz-100KHz Raycus 70W/100W: 20KHz-100KHz IPG 10W/20W: 20KHz-100KHz IPG30W: 30KHz-100KHz IPG50W: 50KHz-100KHz IPG100W: 100KHz-200KHz
Laser Wavelength	1064nm
Divergence	0.3mrad
Marking Range	100*100mm /200*200mm/300*300mm
Minimum Line Width	0.02mm
Minimum Character	0.15mm
Marking Depth 0 ~0.5mm	0 ~0.5mm
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
Working Environment	Clean and Dust Free or Dust less. Temperature: 15-35℃
Working Condition	5%-75%, Free of Condensed Water
Laser Module Life	> 100000 hours

Machine Details

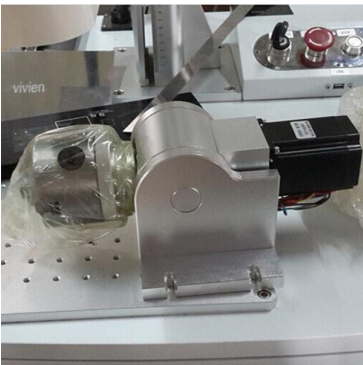
Seq.	Picture	Detail Instruction
1.		Fiber laser power: Its theoretical working lifetime is over 100,000 hours. The machine has advantages of high laser beam quality, narrow line width, simple structure, high reliability and less affected by the environment during usage.



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2.		Hig Speed Scancube: Germany technology high speed digital Scancube, the working speed is as high as 10000mm/s, as automobile gearbox. It's can play the best laser performance. We adopt high quality Scancube at cost ensure your machine is not only a good value, but also to play its performance.
3.		High Precision Singapore Scanhead: Singapore imported high quality Scanhead, good shot, ensure the beam focusing ability is stronger and less energy loss. Machinery final energy loss id less than 5%.
4.		Computer: Special industrial control computer, the civil office computer. It with industrial mainboard, watchdog, it can be avoid crash and ensure computer more durable and stable.(It's optional for all types)

Extra Optional Parts

Seq.	Picture	Detail Instruction
1.		Rotary Device: Suitable for marking on fixing cylinder shape materials which irregular surface.(It's optional for all types)



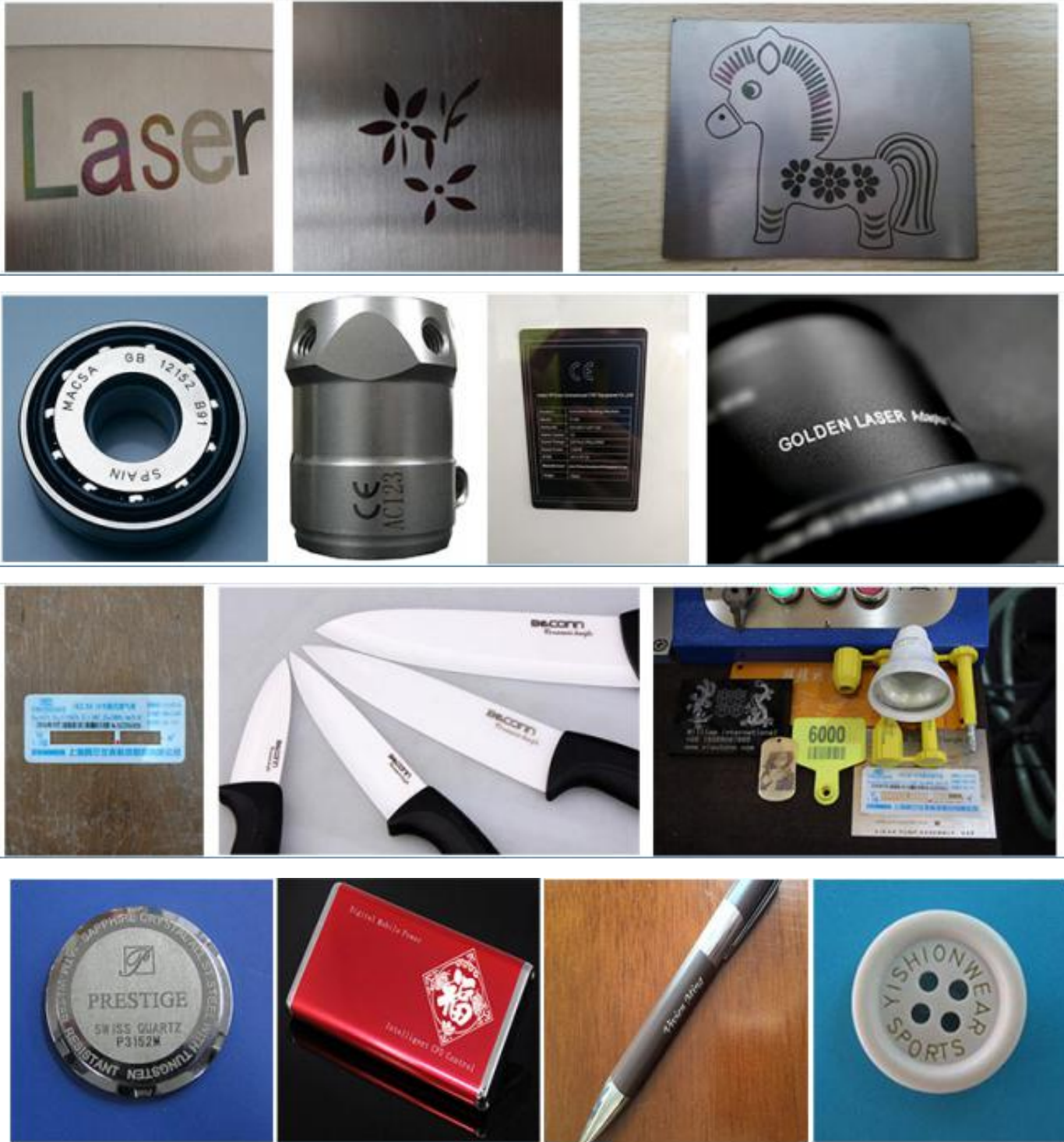
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2.		<p>Up-down work table: The height of working table is adjustable. Suitable for processing high and thick materials. (It's optional for Vertical type)</p>
3.		<p>Turning table: It can rotate to realize automatic transfer, after processed one object it can automatic rotate to the next target. (It's optional for all types)</p>
4.		<p>2D work table: The height of working table is adjustable. Suitable for processing high and thick materials. (It's optional for all types)</p>
5.		<p>Protection eye Glasses: It's very cool when wear this protect glasses. It can protect your eyes when you see the laser light long time and directly. (It's optional for all types)</p>

Working Samples



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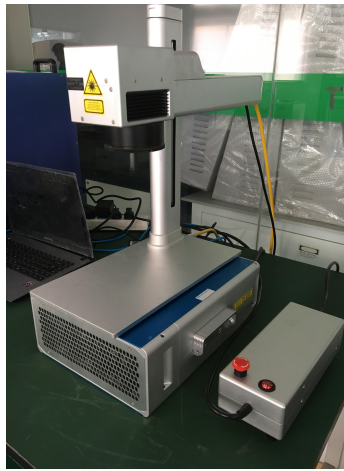


More Photos of Machine

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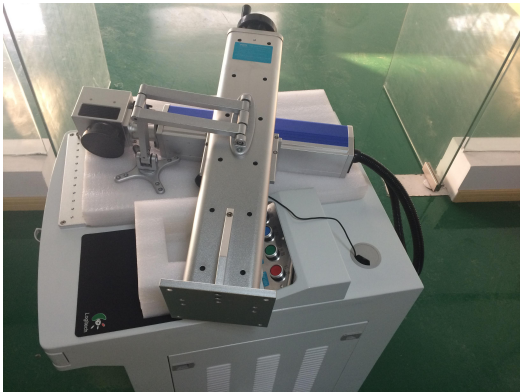
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Packing Photos



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