

3D CO2 Laser Engraving Machine

——*MY-M30C-3D*



WISELY LASER



www.wiselylaser.com



- ★ 2D/3D Laser Marker
- ★ CO2 Laser Engraver/Cutter
- ★ Laser Welder / Cleaner
- ★ Laser Automation

3D CO2 Laser Engraving Machine

Description

Portable CO2 Laser Marking Machine adopts the RF CO2 laser source imported from USA SYNRAD / Coherent, equipped with high-speed galvanometer scanning system, with superior laser beam, small divergence angle and integrated laser structure. It's convenient to maintenance, stable performance, high reliability and long lifespan (max 45,000 hours). The equipment is low processing cost, without any consumption, large marking area, high efficiency.

Feature

- 1) Adopted the imported CO2 laser tube, its beam is of superior quality, stable light and low failure rate.
- 2) Coordinated with the excellent servo motor, the high-speed scanning galvanometer is of high marking speed and precision.
- 3) The industrial control computer has strong capacity of resisting disturbance, assuring the stable work during the long period of industrial environment.
- 4) With powerful and friendly controller and software, easy operation, raise the working efficiency.
- 5) With reasonable and whole structure design, better stability and higher reliability.
- 6) SYNRAD / COHERENT tube can be refilled, excellent performance, longer life (Max. 45000 hours) and without maintenance.
- 7) High-precision and high-speed scan head, with good seal, capable to prevent dust and water, small volume, compact.
- 8) Strong compatibility, TTF Font, SHX, BMP, DXF, AI, PLT and other format file output from CorelDraw, PhotoShop, AutoCAD, etc..

Application

Materials: Most of Non-metallic materials such as ceramics, ABS, acrylic, plastic, bamboo, organic materials, epoxide resin, glass, wood, and paper, etc.

Field: Woodworks, craft gifts, electronic components, clothes, leather products, paper, medicines, food and package, etc.

Parameter

Model	MY-M30C-3D
Power	30W / 60W / 100W
Marking Area	200*200mm
Optional Marking Area	100mm - 600mm
Marking Depth	≤5mm Acrylic
Minimum Line Width	0.10mm
Minimum Character	0.3mm
Repeated Precision	± 0.01mm
Laser Wavelength	10.6um
CO2 Laser Source	COHERENT
Optional Laser Source	SYNRAD or CRD
Controller and Software (EZCAD)	FeelTech LenMark_3DS
Scan Head	FeelTech 3D Scanning System
Marking Speed	≤ 7,000mm/s
Repeated Frequency of Laser	1-200 KHZ
Marking Type	Dynamic Mark / Static Mark
System Operation Environment	Windows XP / 7 / 8 / 10 / 11 -32 / 64bits
Cooling Mode	Air cooling--Built-in
Temperature of Operation	15°C~35°C
Communication Interface	USB
Lifespan of CO2 Tube	Max.45,000 hours
Voltage	220V / 50HZ / 1-PH or 110V / 60HZ / 1-PH
Power Consumption	1.2KW
Demension	
Package Size	
Net Weight	
Gross Weight	
Optional (Not free of charge)	Rotary Device, Moving Table, Lens, Fume Purifier, other customized Automatic Matching System

Shipment

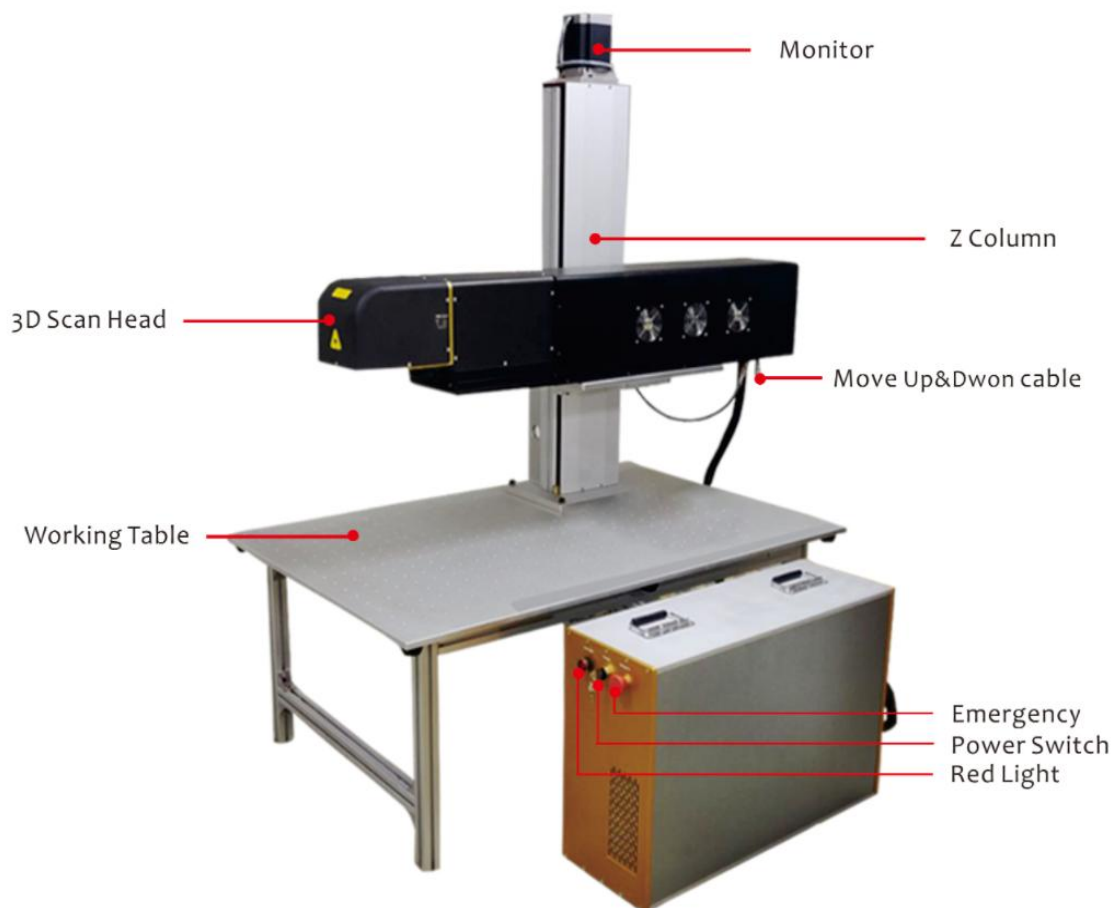
Within 5~7 working days after receiving your payment.

Warranty

Whole machine has a warranty period of 12 months since the production date.

Training



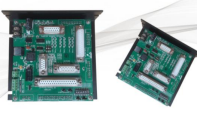

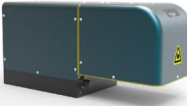

1~3 working-days training free of charge in factory. Oversea training is available, the buyer can discuss the details with WISELY salesman.



Advantage

- 1) Portable style, Small size, easy to transportation, the equipment can work with customized automatic matching system.
- 2) With world top brand from America Coherent / SYNRAD laser tube ensures its stable performance, high-quality laser beam and long lifespan (max 45,000 hours).
- 3) The equipment can mark on most of non-metallic materials, such as wood, leather, Glass, Ceramics, PVC, ABS, Plastic, acrylic, etc.

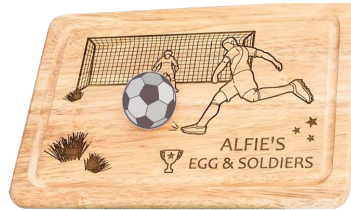
Main Configurations

	1. Coherent / SYNRAD CO2 Laser Source Laser lifespan: max 45,000 hours. Beam quality: $M^2 < 1.2$, Power stability $< \pm 3\%$ Integrated air cooling system guarantees the tube temperature of operation environment.		4. Taiwan MW Laser Power Supply Famous Taiwan MeanWell laser power supply. High-quality ensure its stable performance and long lifespan.
	2. FeelTech Controller Card 1. 8 channels input/4 channels output. 2. Support communication protocol XYZ-100 and XYZ-100-Z 3. Four step, servo motor control		5. Laptop - If Any Genuine English OS W7 / 10 + Intel i7 CPU + 8G Kingston Storage + 120G Kingston SSD + 1TB WD HDD + Asus Motherboard + 2GB Asus Graphics Card
	3. FeelTech 3D Scanning System Double driving Z axis dynamic focus module design, response frequency $\geq 100\text{Hz}$ at $\pm 10^\circ$, easy to achieve Z depth 150mm@300mmx300mm, applied to platform, 3D surface high speed processing.		6. Beam Expander Wavelength 5X / 8X beam expander can expand the diameter of beam and reduce the divergence angle of laser beam.

Sample Gallery



Wood Engraving



Bamboo Marking

Wood Marking



Coconut Marking

Woodcase Marking

Wood Crafts Marking



Paper Cutting

Fabric Cutting



Wood & Leather & Plastic Engraving

Leather Marking & Cutting



Acrylic & Glass & Marble Engraving

Fabric Jeans Marking



Tumblers Engraving

Non-metallic Materials

Acrylic
 Bamboo
 Carbon fiber
 Ceramics
 Crystal
 Fabric
 Film
 Jade
 Leather
 Malrolon
 Nylon
 Paper
 PE / PP
 PEEK
 Plastic
 PVC
 Rubber
 Wood
 And more