

Since 1997



C02 Laser Marking Machine 30W/40W/60W

Product Features

LDJ-C series is available for wide range of substrates plastics and cardboard, most non-metallic materials, especially PET bottles

Non-contact marking, no damage on the product, perfect marking quality.

Advanced pulsed laser with fine laser beam, low consumption and small heat-affected zone.

Ideal solution for marking codes in food, beverage, cosmetics, pharmaceutical and extrusion industries..



Touch Screen Controller
Leadjet Design,
Support multi-Languages.
Easy Operation, Free
Training.

Main Power Switch

Power Supply Cabinet
Small Size

Adjust Feet



Adjust Wheel.
Adjust the marking head up or
down to find the optimal
focus.

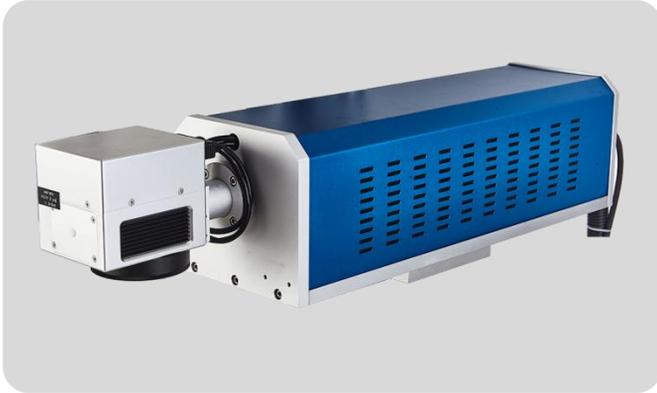
CO2 Laser Marking Unit
Working Hours are more than
30000 hours.
Stable and reliable marking
system, air cooling system,
equipment, high efficiency
conversion between electronic
and optical , low-consumption.

Galvanometer & Lens
High-speed Galvanometer
Scanner,free- maintenance
Permanet Coding ,

Printer Stand

Product Details

> CO2 Laser Marking Unit



> Galvanometer & Lens



> Touching Screen Controller



> Laser Source



> Power Supply Cabinet & Power Switch



> Printer Stand Adjustment Wheel

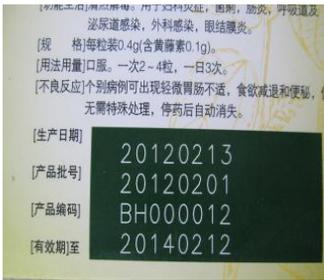


> Right angle light arm (Optional)



CO2 Laser	30W	40W	60W
Nominal Power	AC220V at 50Hz		
Power consumption(20℃)	800w	800w	800w
Wavelength(μm)	General:10.6μm, PET:9.3μm, Film:10.2μm		
Normal average output power (W)	≥30	≥40	≥60
Beam quality	m ² <1.8	m ² <1.8	m ² <1.8
Beam Diameter(mm)	7~9	7~9	7~9
Pulse duration(ns)	<120@30kHz	<120@30kHz	<120@30kHz
Pulse repetition rate(kHz)	10	10	10
Output power tunability(%)	10~100	10~100	10~100
Fiber cable length(m)	2~3	2~3	2~3
Modulation frequency	1-20kHz		
Marking range	110*110mm, (optional:70*70, 175*175, 300*300 mm)		
Maximum scanning speed	8000-12000 mm / s		
Scan accuracy error	<2 mrad		
repetition error	<5 μrad		
Minimum line width	0.02mm		
Line depth	0.04 ~ 0.2 mm (depending on material)		
Working environment	Temperature: 0 ~ 42 °C		
	Humidity: 45 ~ 85%		
	Should work in dust-free, smoke-free, non-corrosive gas work environment		
Cooling System	Air cooling, (2~4 fans)		
Safety	over-current protection; over-temperature protection; over-voltage protection		
Approximate GW	70~90kg with the wooden case		
Controller	Touch screen		
User Interface Language	English, France, Spanish, Farsi, etc		
Character Sets	English, France, Spanish, Farsi, Arabic, Russian, Bengali, Japanese, Korean, etc		
Communication	Ethernet and RS232 Port; Inputs for encoders and product detector triggers.		

Applications



PET

PE bag

Carton / Label

Plastic



Leadjet Products

CIJ

DOD

Laser

TIJ

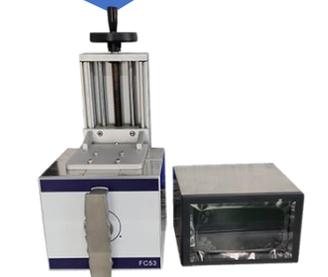


TTO

Variable Data

OEM

Consumable



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