CO2 series

CO2 flying laser marking machine

Average output power:
60W

Marking speed
656.17' (200m/min)
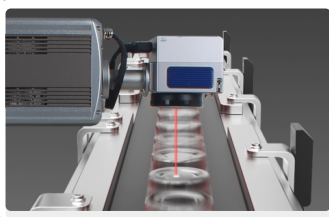
No consumables,
long-term maintenance-free

PRODUCT DESCRIPTION

LEAD TECH 60w CO2 flying laser marking machine is a high-speed continuous marking model designed to improve productivity. It uses industrial-grade metal CO2 laser tube. It has good optical modes and fast processing efficiency. The marking speed of the production line is up to 656.17' (200m/min (Single-line 2MM-high numbers and letters)), it provides high-speed, high-yield application identification requirements, it mainly used in production date, anti-counterfeiting, medical and food packaging industries. This model supports functions such as automatic encoding, serial number, batch number, date, barcode, two-dimensional code, automatic number skipping, etc., to meet the needs of customers in different industries.

The CO2 flying laser marking machine is suitable for online marking of most non-metallic materials, such as paper packaging, film packaging, coated metal, plexiglass, resin plastic, bamboo and wooden products, PVC products, etc. It is widely used in food and beverage packaging, alcohol, dairy products, clothing accessories, leather, electronic components, medicine, personal care products, tobacco, chemical building materials,production and expiration date, batch number, shift, manufacturer name and logo, etc.

PRODUCT CHARACTERISTICS

MARKING SPEED UP TO 656.17' FOOT(200 METERS) PER MINUTE

This is the industry's fastest marking laser coding system, with a marking speed of up to 656.17' (200 m/min (single line of 2MM-high numbers and letters)), which can be used in medium-speed or high-speed production lines

RELIABLE AND DURABLE CO2 LASER SOURCE

Using CO2 metal radio frequency laser source, the laser power density is uniform, the output light power is stable, there is no light leakage, anti interference and there will be no shadows and virtual disconnection on special materials.
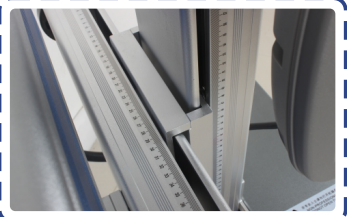
COMPACT DESIGN AND FLEXIBLE CONFIGURATION

This model uses compact laser printer marking head to achieve simple integration to reduce installation costs and improve positioning flexibility

FLEXIBLE INSTALLATION WAY, CONVENIENT INSTALLATION POSITION ADJUSTMENT
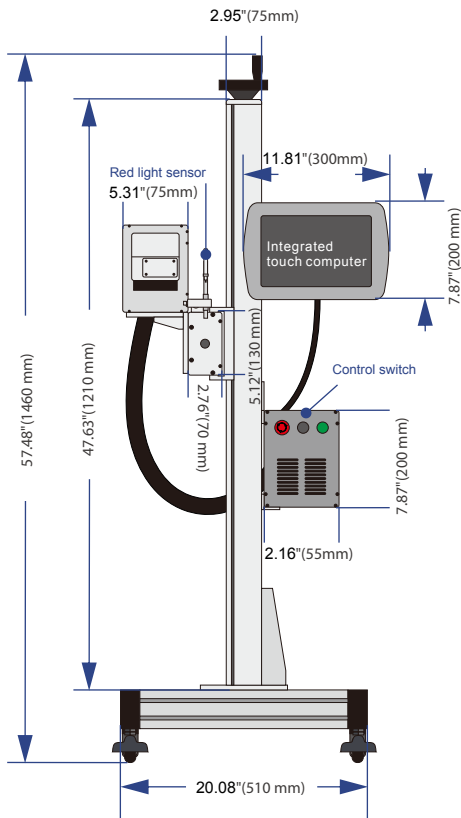
The flying model is specially designed for high-speed production lines, which can be flexibly combined with production lines for installation and use. The frame canbe moved up and down and left and right to adjust, the marking head can also be rotated 360° for marking.
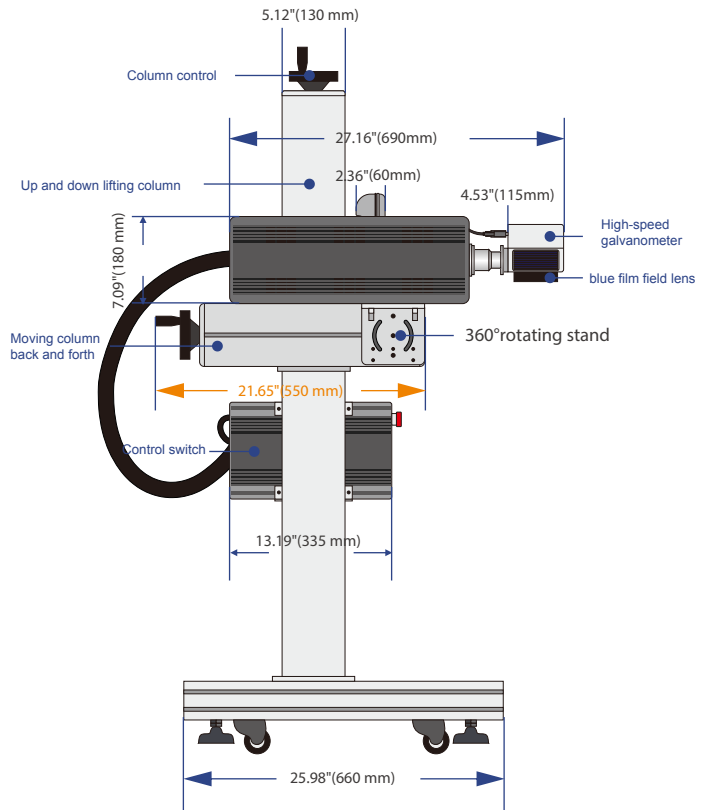
PRODUCT PARAMETER

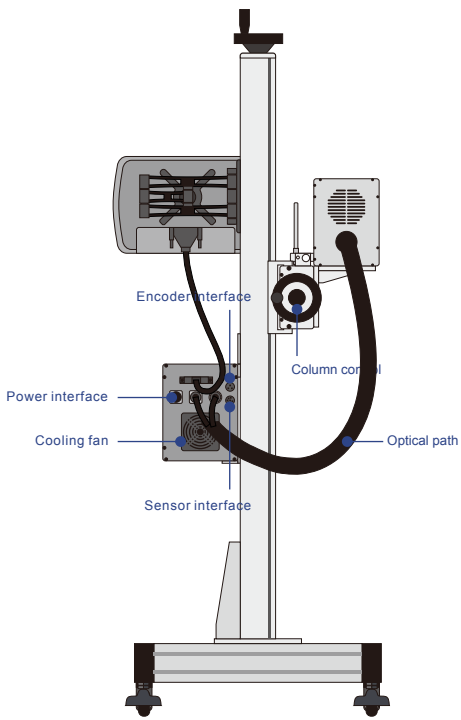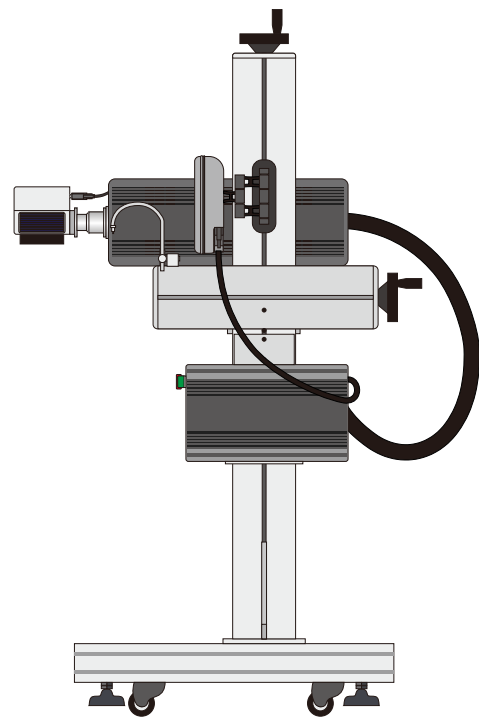| Laser Type	CO2 Laser		
Model	LT60C		
Laser parameters	Output Power	60W	
	Beam quality M^2	≤1.2	
	Laser wavelength	10.55~10.6 um	
	Pulse frequency	0-25 kHz	
	Exit beam diameter	0.07"±0.0078" (1.8±0.2 mm)	
	Output power stability	±5%	
	Working life	About 20,000 working hours (non-lifetime)	
Optical properties	Marking range	3.94"~ 11.81" (100~300mm (range optional))	
	Engraving depth	≤0.039" (1mm) (depending on power and time)	
	Engraving speed	≤393.70"（10000mm)/s	
	Repeat accuracy	±0.002	
	Minimum marking line width	0.0039" (0. 1mm)	
	Minimum character height	0.0059" (0.15mm)	
Use environment	Cooling way	Standard built-in air cooling (water cooling can be customized)	
	System power supply	500W / 220V / 50Hz (110V can be connected)	
	Temperature humidity	32~104°F(0~40℃)，30% RH 85%, air conditioner should be installed when used outside the range	
	Oil mist, condensation	Not allowed	
Other parameters	Operating system	Flying laser marking system	
	File format	The software supports text, QR code, barcode, serial number, graphics and other marking content	
	Dimension	25.98" x 20.08" x 57.48" (660 x 510 x 1460 mm)	
	Packing dimension	Host: 38.58" x 23.62" x 14.57" (980X600X370 mm) Column: 53.15" x 13.78" x 11.02"(1350x350x280 mm)	
	Total Weight	About 63kg	

PRODUCT SIZE

FRONT VIEW

2.95"(75mm)

11.81"(300mm)

Red light sensor
5.31"(75mm)

7.87"(200 mm)

Integrated touch computer

5.12"(130 mm)

Control switch

2.76"(70 mm)

7.87"(200 mm)

57.48"(1460 mm)

47.63"(1210 mm)

2.16"(55mm)

20.08"(510 mm)

FRONT VIEW

RIGHT SIDE VIEW

5.12"(130 mm)

Column control

27.16"(690mm)

Up and down lifting column

2.36"(60mm)

4.53"(115mm)

High-speed galvanometer

blue film field lens

7.09"(180 mm)

Moving column back and forth

360°rotating stand

21.65" 550 mm

Control switch

13.19"(335 mm)

25.98"(660 mm)

RIGHT SIDE VIEW

BACK VIEW

Encoder interface

Column control

Power interface

Cooling fan

Optical path

Sensor interface

BACK VIEW

LEFT SIDE VIEW

LEFT SIDE VIEW