UV series

UV laser marking machine

5W/10W
Average output power

- Super fine marking
- Marking speed 200m/min

SAMPLES DISPLAY

PVC pipe
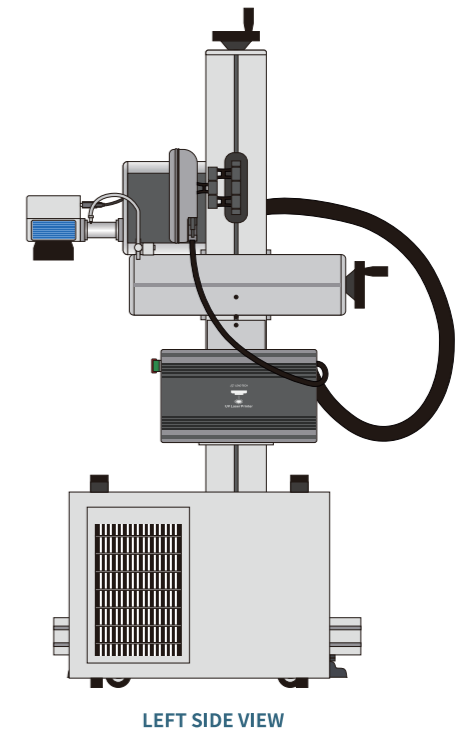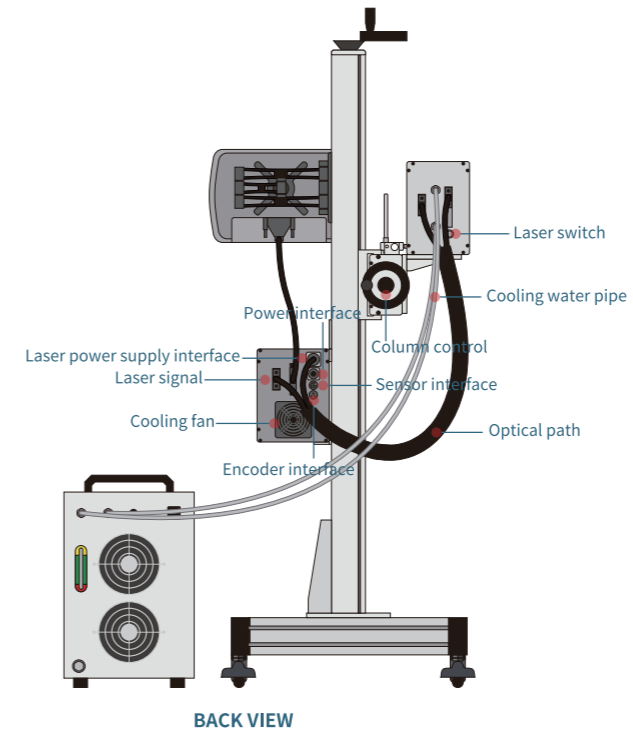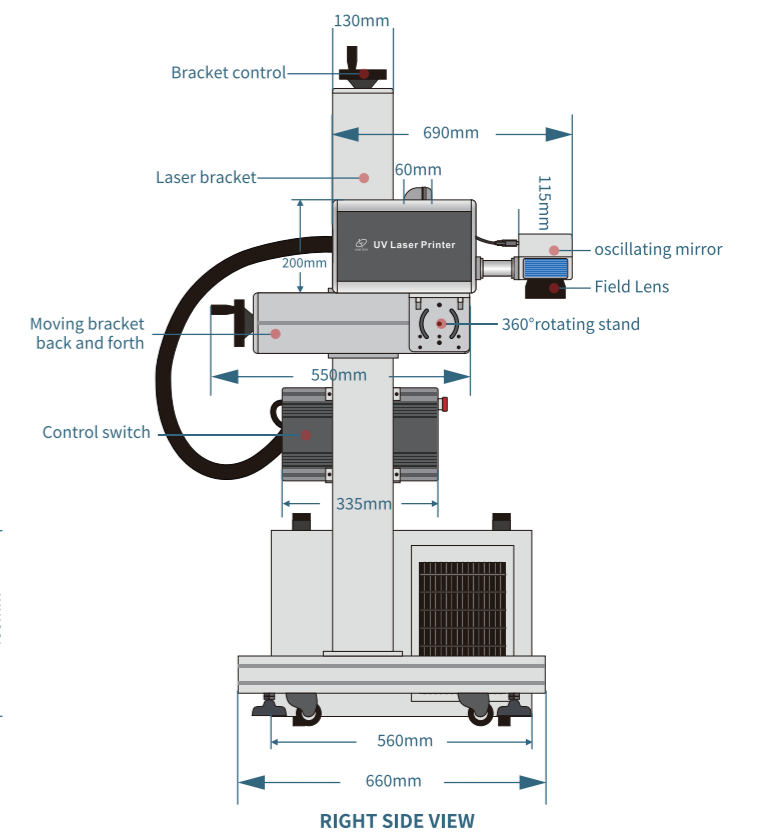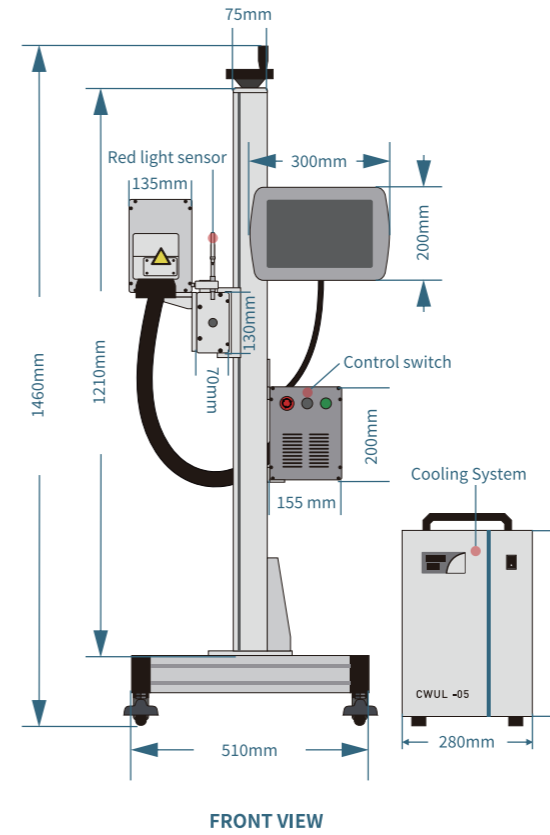
Transparent bags

PET bottle

Glass bottle

Plastic bottle

Cosmetic Tank

PRODUCT DIMENSIONS

FRONT VIEW

75mm
Red light sensor
135mm
300mm
200mm
1460mm
1210mm
130mm
70mm
155 mm
Control switch
200mm
Cooling System
510mm
CWUL -05
280mm
400mm

RIGHT SIDE VIEW

130mm
Bracket control
690mm
Laser bracket
60mm
115mm
200mm
oscillating mirror
Field Lens
Moving bracket back and forth
360°rotating stand
Control switch
550mm
335mm
560mm
660mm

BACK VIEW

Laser switch
Cooling water pipe
Power interface
Column control
Laser power supply interface
Laser signal
Sensor interface
Cooling fan
Optical path
Encoder interface

LEFT SIDE VIEW

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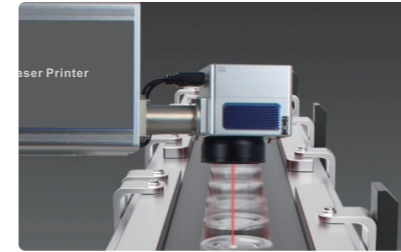
PRODUCT DESCRIPTION

The UV series UV flying laser marking machine is a high-speed continuous marking model designed to improve productivity. It uses industrial-grade solid-state UV laser source which is with good beam quality and high reliability; The marking speed of the production line is up to 200 m/min (Single-line 2MM-high numbers and letters), It provides high-speed and high-yield application identification requirements, it's 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.

UV series flying laser marking machine are widely used in various pipes, plastic films, plastic bottle caps and other materials like PPR, PVC, PE, etc. It is widely used in the production of food and beverage packaging, alcohol, dairy products, electronic components,medicine, personal care products, tobacco, chemical building materials and other fields, marking of expiration dates, batch numbers, shifts, manufacturer names and logos and other graphics and text.
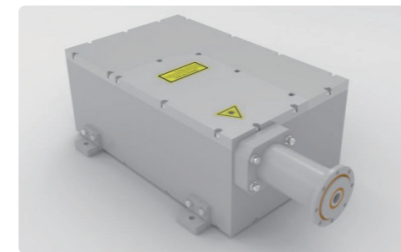
PRODUCT SPECIFICATION

Model series		UV series	
Model		LT05U	LT10U
Laser parameters	Output Power	5W	10W
	Beam quality M²	≤1.2	
	Laser wavelength	355 nm	
	Pulse frequency	20-200 kHz	40-300 kHz
	Output beam diameter	0.7±0.1 mm	0.8±0.1 mm
	Output power stability	3%	
	Working life	About 20,000 hours	
Optical properties	Marking range	100~300mm (range optional)	
	Engraving depth	≤ 1mm (depending on power and time)	
	Engraving speed	≤ 10000mm/s	
	Repeat accuracy	±0.002	
	Minimum marking line width	0. 1mm	
	Minimum character height	0.15mm	
Use environment	Cooling way	External water cooling	
	System power supply	500W / 220V / 50Hz (110V can be connected)	
	Temperature humidity	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 marking system	
	File format	The software supports text, QR code, barcode, serial number, graphics and other marking content	
	Dimensions	660X510X1460mm	
	Packing size	UV laser printer: 850X510X280mm Cooling System: 680X430X57mm Laser bracket: 1350X350X280mm	
	Total Weight	Including cooling system about 89kg	

PRODUCT FEATURES

MARKING SPEED UP TO 200 METERS PER MINUTE

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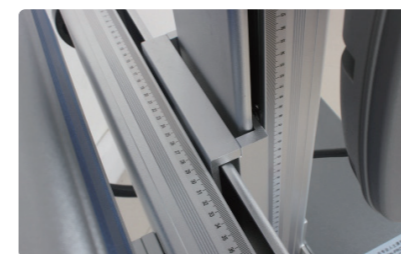

HIGH-QUALITY AND RELIABLE UV LASER SOURCE

It adopts solid-state ultraviolet laser source which is in ultra-stable compact resonator structure, the advantages include high electro-optical conversion efficiency, good beam quality, high reliability, long life, maintenance-free operation, etc.

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 can be moved up and down and left and right to adjust, the marking head can also be rotated 360° for marking.