




# UV series

UV laser marking machine

**5W/10W**  
Average output power

 Super fine marking

 Marking speed  
656.17'(200m)/min

## SAMPLES DISPLAY



PVC pipe



Transparent bags



PET bottle



Glass bottle

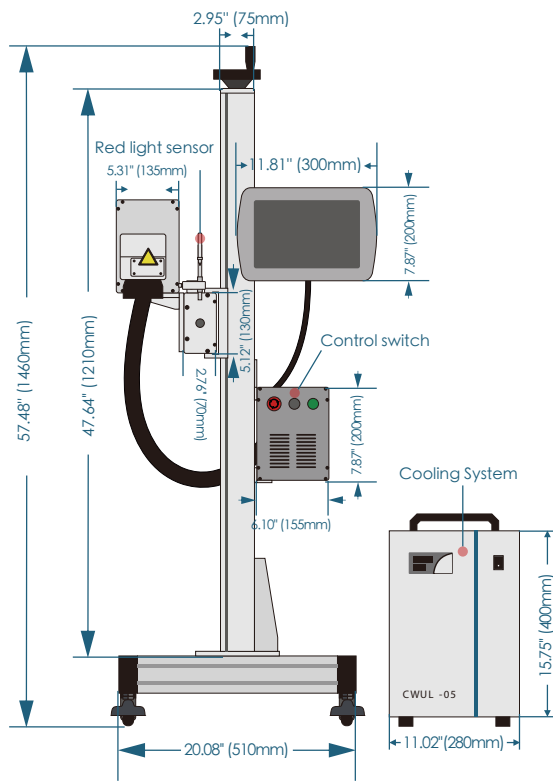


Plastic bottle

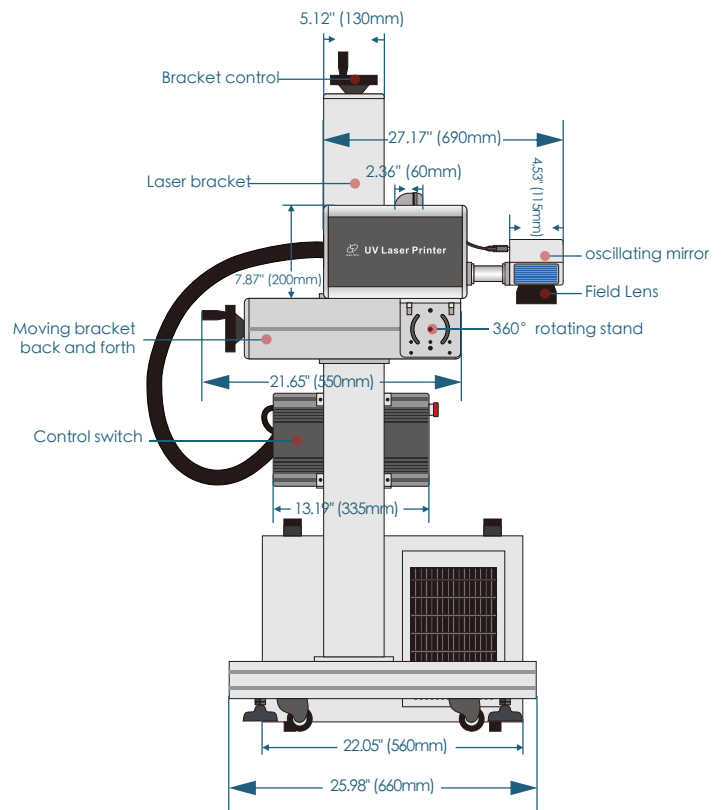


Cosmetic Tank

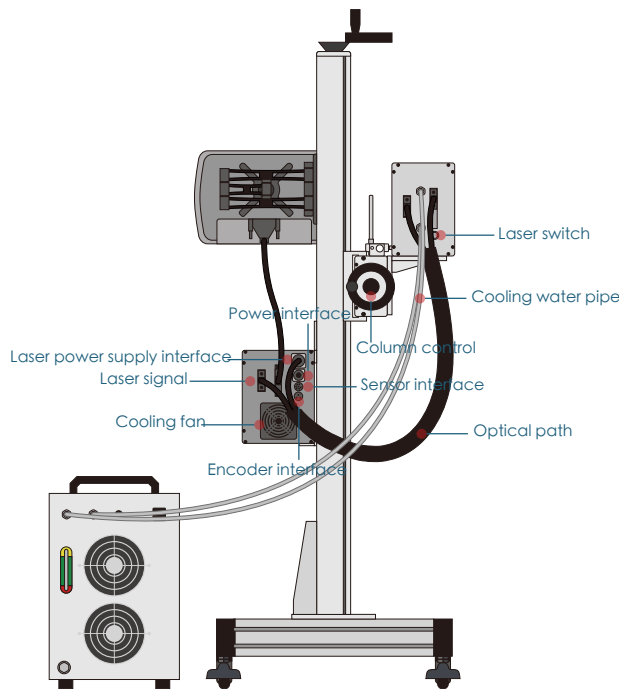
# PRODUCT DIMENSIONS



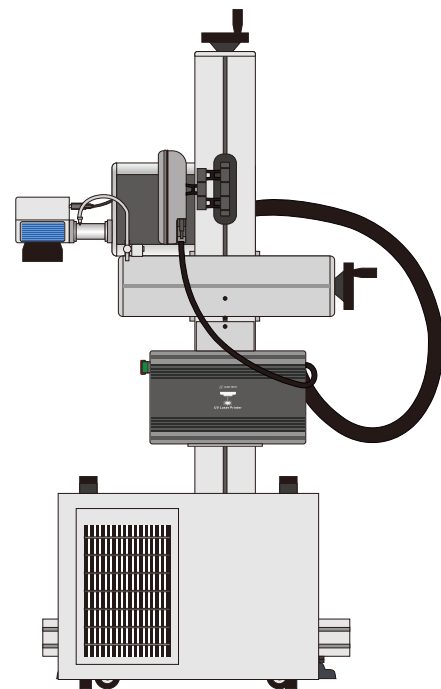
FRONT VIEW



RIGHT SIDE VIEW



BACK VIEW



LEFT SIDE VIEW



**LEAD TECH-North America.**

Tel: 507-701-6787

Email: Support@LeadTech-NA.com

Address: 300 3rd St SE Ste 6 Rochester MN 55904



Coding Tomorrow

www.LeadTech-NA.com

LEAD TECH-North America

## PRODUCT DESCRIPTION

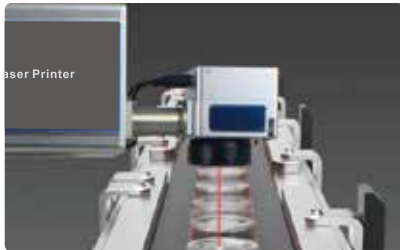
The UV series UV flying laser marking machine is a high-speed continuous marking model designed to improve productivity. It uses industrial-grade solid-state UV laser source which is with good beam quality and high reliability; The marking speed of the production line is up to 656.17'(200 m)/min ( Single-line 0.079"(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 dif-

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 M	≤ 1.2	
	Laser wavelength	355 nm	
	Pulse frequency	20-200 kHz	40-300 kHz
	Output beam diameter	0.027"±0.0039" (0.7±0.1 mm)	0.031"±0.0039" (0.8±0.1 mm)
	Output power stability	3%	
	Working life	About 20,000 hours	
Optical properties	Marking range	3.94"~11.81" (100~300mm (range optional))	
	Engraving depth	≤ 0.039" (1mm (depending on power and time))	
	Engraving speed	≤ 393.7" (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	External water cooling	
	System power supply	500W / 220V / 50Hz (110V can be connected)	
	Temperature humidity	32~104°F (0~40°C), 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	25.98"X20.08"X57.48" (660X510X1460mm)	
	Packing size	UV laser printer: 33.46"X20.08"X11.02" (850X510X280mm) Cooling System: 26.77"X16.93"X2.24" (680X430X57mm) Laser bracket: 53.15"X13.78"X11.02" (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 656.17'(200 m)/min (single line of 0.079" (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.