

5 WATT UV LASER MARKING MACHINE (WITH CE AND FDA CERTIFICATION)

Model :- LL-UVLM 5



ADVANTAGE

- ☑ Equipped with 5W laser source, 355nm wavelength, and steady laser power output.
- ☑ High conversion rate between laser and electricity.
- ☑ Small heat affection.
- ☑ Powerful marking software with friendly interface and simplified operation. Improvement and upgrade available for lifetime.
- ☑ It adopts galvo marking head with super precision and long lifetime.

APPLICATION

Suitable to mark on surface of POM, glass, polymer material, plastic and tiny hole processing.

Widely applicable to marking on packing materials of food, medicine, cosmetics, and wire, drilling tiny hole (hole diameter $d \leq 10\mu\text{m}$).

Flexible PCB, LCD, TFT marking and slicing.

Metallic and non-metallic materials thin film removal.

Silicon wafer tiny hole and dead hole processing.



LYZER LAND LLP

Pacharatna C.H.S. Old Nagardas Road;Near Bhutta High School,Andheri East Mumbai 400069.
 Whatsapp: +91 9819774336 E-mail: - lyzerland901@gmail.com

TECHNICAL DATA

Power supply: Single phase AC, 220V, 50HZ
 Input power: 5W
 Power-Supply Fluctuation: $\leq 2.5\%$
 Ground Resistance: < 3 ohms

Laser output: Wave length 355nm
 Laser power 0-5W(adjustable)
 Output current $\leq 28A$ (adjustable)
 Modulation frequency: $\leq 100KHZ$

Marking parameters: Marking range: $\phi 300mm$
 Marking speed: $\leq 7000mm/s$
 Linear Width: 0.015mm
 Beam Quality $M^2 \leq 1.2$
 Repetition Accuracy $\pm 0.003mm$

Product Category	ExpertII-355		
	Pulse,ultraviolet,all solid state laser		
	parameter index	Unit	Description
Wavelength	354.7	nm	
Average Output Power	3.0-5.0	W	@30Hz
Pulse Width	<20	ns	
Pulse repetition Rate	10-200	kHz	
Spatial model	TEM00		
M2	<1.2		
Beam full Divergence Angle	<1.2	mard	
Beam Circularity	>90	Utad/C	
Pulse-to-pulse	<3	%	
Stability			
Average power Stability	<5	%	
Beam-pointing Drift	>100:1		
Polarization ratio	Horizontal		
Polarization Orientation	10 to 35		
Operating Temp&RH	<80	%	
Storage Temp &RH	-20 to 65 <90		
Electricity Requirement	100-240 50/60		
Power Consumption	<500	W	
Warranty	24	months	



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PACKING LIST

	Name	Quantity
1	5w RFL laser source	1
2	Galvanometer head	1
3	F-theta scanner lens(150*150)	1
4	Computer	1
5	Control Card	1
6	Cabinet	1
7	Power supply	1
8	others	1
9	Chiller(for free)	1
10	Rotating device	1

TERMS & CONDITION

Payment Terms :- 70% advance & 30% before Delivery

Delivery time :- 20 day (Minimum)

Packaging :- Plywood case(G.W. 140Kgs)

Warranty Periods:- 18 Months on the machine.

Training & installation :- One time at your place by our engineer.