Ham's lase UV Picosecond Laser



HL-PS-355-50



► Application

- Using independently developed seed sources
- Selectable burst pulse train quantity and frequency division quantity
- POL/POD function
- 7*24 hours, long-term stable operation
- Single pulse ~ 4MHz repeat frequency adjustable

Features

- High-end electronic products appearance logo
- Processing traceability marks with anti-acid corrosion and anti-oxidation functions on metal medical devices
- Cutting and drilling on plastics, oxides and organic materials, or removal of surface coatings
- Ultra-precise markings and invisible QR codes finely marked on glass material
- Replacing chemical corrosion processing depth on metal materials
- Precision moulding of superhard materials

▶ Sample Display









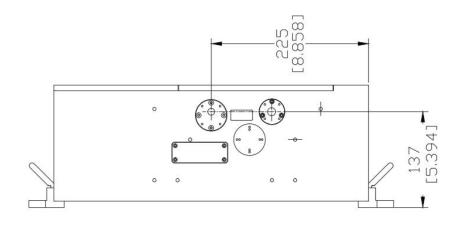
Technical Parameters

	HL-PS-355-50
Optical Parameters	
Wavelength	355 nm
Max. Power	50 W
Repetition Rate	Single pulse-4000kHz
Pulse Width	< 10 ps
Pulse Energy Stability (rms)	<2% rms
Power Stability	<2% rms
Beam Characteristics	
Spatial Mode	$ ext{TEM}_{\circ\circ}$
Beam Quality	$M^2 < 1.3$
Polarization Ratio	>100:1(vertical)
Beam Diameter	1.8 mm ± 0.2 mm
Divergence Full Angle (1/e²)	<2 mrad
Circularity	> 90%
Beam Pointing Stability	≤±25 μrad/°C
Working Conditions	
Power Supply	100~240V, 50~60Hz
Warm-up Time	Standby to ready < 10 minutes; cold start to readiness < 30 minutes
Temperature Range	15~30°C during working hours; 0~50°C during non-working hours
Humidity Range	10~70%, non-condensation
Cooling Requirements	Water cooling, cooling capacity≥1000W, accuracy±0.1°C, flow rate≥6L/min
Physical Properties	
Laser Dimensions	870mm×450mm×175mm (L x W x H)
Laser Weight	85 kg

▶ All specifications are typical data and subject to change without notice due to product improvements.

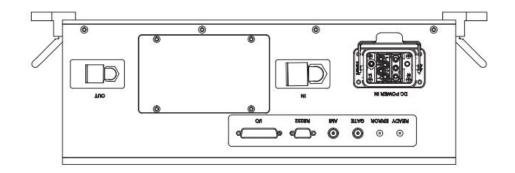
Laser Dimensions (mm)

Front View

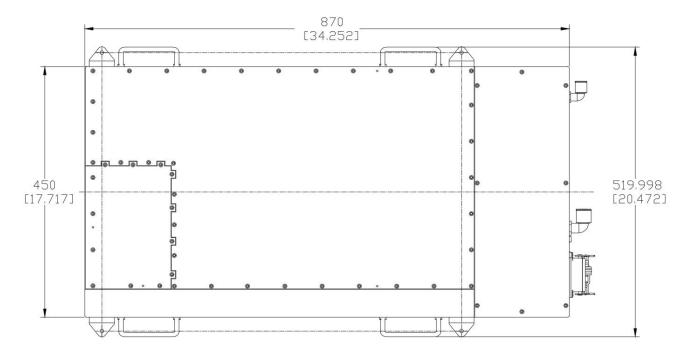




Back View



Top View



Side View

