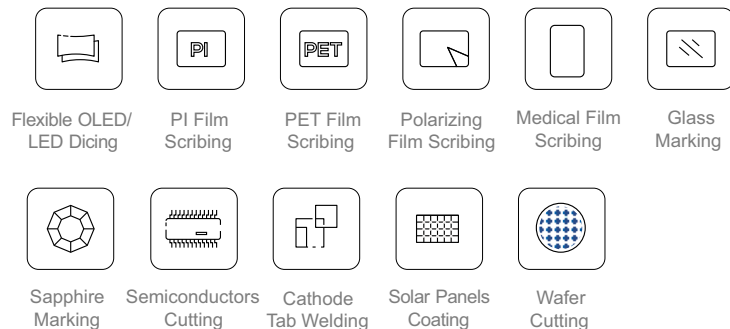


Olive High-Power Picosecond Ultra-Fast Laser



- ◉ Own brand laser seed
- ◉ High-power Infrared, Green/UV laser output with short pulse width (<10ps), which is the best choice for precision processing
- ◉ Outstanding beam quality ($M^2 < 1.3$)
- ◉ Crossover and power adjust function can be integrated, easy to operate

Application.



Specifications: OLIVE-1064-50 · OLIVE-1064-100

Olive High-power Picosecond Ultra-Fast Laser is a high performance-to-price ratio product which is aimed to micro processing field. Own brand laser seed, purchase & maintenance cost decrease 50%. The whole system guarantee products' high reliability by main oscillator amplification structure, high reliable seed laser and minimalism route design. In order to realize the best processing performance, products have both programmable Burst Mode and POD trigger function, it is the best choice for precision processing.

Olive can be applied to OLED/LED Dicing, PI Film Scribing, PET Film Scribing, Polarizing Film Scribing and Medical Film Scribing field. Also an excellent tool for GlassMarking, Sapphire Marking, Semiconductors Cutting and Ceramic Cutting work. More suitable for Cathode Tab Welding, Solar Panels Coating, Wafer Cutting and other high-end process application.



WUHAN HUARAY PRECISION LASER CO., LTD.

Olive High-Power Picosecond Laser Datasheet

SPECIFICATIONS	Olive-1064-50	Olive-1064-100
Wavelength	1064nm	
Output Power	≥50W@1000KHz	≥100W@1000KHz
Maximum Pulse Energy	≥400μJ@100KHz,Burst Enege	≥400μJ@100KHz,Burst Enege
Repetition Rate	1~1MHz	
Pulse Width	< 10ps	
Power Stability	≤3% rms	
Peak-to-peak Stability	≤2% rms	
Pulse-to-pulse Stability	≤6%	
Spatial Mode	TEM ₀₀ (M ² ≤1.3)	
Beam Diameter	2.4mm±0.2mm	
Beam Divergence	≤3mrad	
Beam-pointing Stability	< 50μrad/°C	
Beam Roundness	≥90%	
Polarization Ratio	Vertical, > 100:1	
Warm-up Time	< 30min	
Ambient Temperature	15-35°C	
Humidity	< 65%	
Cooling	Water	
Voltage	100 to 240 VAC	
Power Consumption	2000W	
Classification	Class 4	
Laser Head Size		
Power Supply Model	P-1200A0	
Power Supply Size		

Mechanical Specifications

