

Technical Parameters For Dat UV Laser Marking Machine

Specification	UV-F03	UV-F05
Fundamental Center wavelength	355nm	
Output power and Energy	>3W,>70 μ J@50KHZ	>5W,>10 μ J@50KHZ
Repetition rate	20KHZ-200KHZ	
Pulse width	<22ns@50KHZ	<18ns@50KHZ
Spatial mode	TEM ₀₀ (M ² ≤1.2)	
Beam divergence	≤2mrad	
Astigmatism	<0.2	
Beam circularity	≥90%	
Polarization Ration	>100.1	
Polarization direction	Horizontal	
Beam pointing stability	<25 μ rad/°C	
Pulse energy stability	≤3%RMS	
Power stability	≤3%RMS	
Long-term pointing stability	<25 μ rad/°C	
External comms	RS-232	
Beam diameter,03m in front of laser	≤10mm	
Working material	Nd:YVO ₄	
Warm-up time	<15min	
Operating temperature	+10°C to +45°C	
Operating humidity	<65%	
Non-operation (storage) temperature	-10°C to +45°C	
Shiping temperature (Non-condensing)	-10°C to +45°C	
Cooling method	Water	
Power consumption (VAC)	110/220V AC,50/60HZ, 600W	
Classification	Class 4	
Head Weight	19.5KG	
Total marking machine weight	170KG	