



新势力光电供应单纵模激光器，激光波长包括：355nm、457nm、473nm、491nm、515nm、532nm、561nm、594nm、660nm、1064nm。此外，新势力光电提供 Cobolt 公司的单频激光器、尾纤激光器、半导体激光器。

**技术特点：**带宽窄、相干长度长、功率稳定、激光模式好。

**产品应用：**荧光显微镜、流式细胞仪、DNA 测序、拉曼光谱、全息分析和粒子分析。

激光器

光学测量

光学元件

太赫兹系统

固体激光器

半导体激光器

光纤激光器

气体激光器

超快激光器

Specifications	Wavelength[nm]	Power[mW]
Cobolt Twist	457	25, 50
Cobolt Blues	473	25, 50
Cobolt Calypso	491	25, 50, 75, 100
Cobolt Dual Calypso	491+532	20+20, 50+50
Cobolt Fandango	515	25, 50, 100, 150
Cobolt Samba	532	25, 50, 100, 150, 300
Cobolt Jive	561	25, 50, 75, 100, 150
Cobolt Mambo	594	25, 50, 100
Spectral linewidth	<1MHz(<0.01pm)	
Wavelength stability	typical 2pm over $\pm 2^{\circ}\text{C}$ and 8 hours	
Spatial mode	TEM00, M2<1.1	
Beam diameter at aperture	700 $\mu\text{m}$	
Beam divergence(full angle)	<1.2mrad	
	Twist, Blues, Fandango, Samba, Jive	Calypso, Mambo
Noise, 20Hz-20MHz(pk - pk)	<2%, typical<1.5%	<3%, typical<2%
Noise, 20Hz-20MHz(rms)	<0.25%, typical<0.15%	<0.3%, typical<0.2%
Long-term stability(8 hours)	<2%	<3%
Beam pointing stability(over 10-40 $^{\circ}\text{C}$ )	<10 $\mu\text{rad}/^{\circ}\text{C}$ , typical 5 $\mu\text{rad}/^{\circ}\text{C}$	
Polarization ratio	>100:1	
Total system power consumption	<35W, typical<15 W	
Operating temperature	10-40 $^{\circ}\text{C}$	
Maximum laser head baseplate temp.	50 $^{\circ}\text{C}$	
Recommended heat sink	0.5K/W	
Laser head dimensions[mm]	103x60x40	
Controller dimensions[mm]	190x72x28	
Communication	RS-232 or USB	
Model number structure	CDRH (key-switch for on/off)	OEM (auto-start mode)
Model number structure for RS-232	wavel-04-01-pwr-300 for CDRH, wavel-04-01-pwr-400 for OEM	
Model number structure for USB	wavel-04-01-pwr-700 for CDRH, wavel-04-01-pwr-800 for OEM	
Warranty	24 months	
Options & Accessories	Customized controller cable	
	Communication cable(RS-232/USB)	
	Permanent SM/PM fiber pigtailling	
	Laser head heatsink	
	Mount for external fiber coupling	
	Two lasers in one with Dual Combiner	
	Integrated optical isolator	