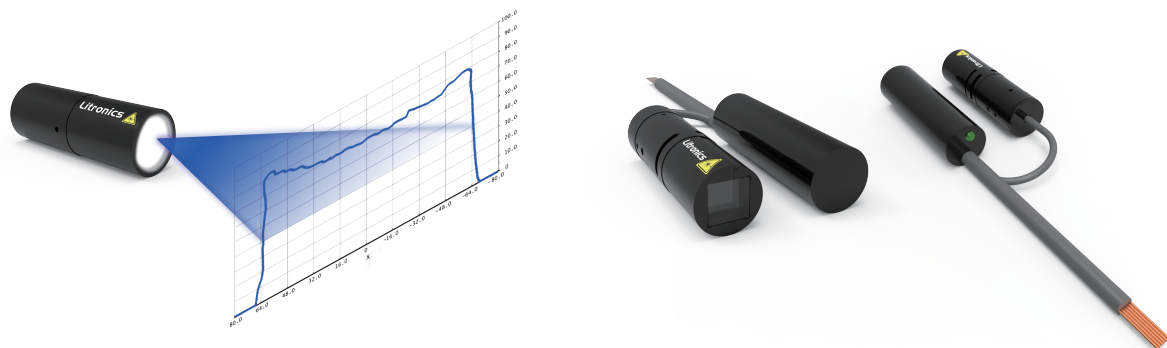




线激光器是高均匀度、高直线度、高稳定、窄线宽、低散斑、长寿命的激光光源，内部集成驱动控制，与工业相机或者CMOS图像处理器配合可以用于形貌检测。根据被检测物体，可定制紫外、蓝光、绿光、红光、红外等多种波长。

3D machine vision is a necessity in the field of industrial inspection due to the requirement to improve the efficiency and quality of manufacturing. Lasers are used in combination with industrial cameras to detect and measure defects, presence, diameters, edges, gaps, etc. Depending on the type of object to be inspected, line lasers with uniform and fine line projections of different wavelengths of blue, green, red and infrared are usually available.

### 产品特点 Feature&Benefit

- 光输出功率可达500mw
- 波长 375nm~830nm
- ESD 保护,过温保护和功率反馈功能
- 可通过外部TTL 和DAC信号调制
- 全密封设计, 寿命达10000小时
- 波长、扇角、工作距离、线宽可定制
- Optical output power up to 500mW
- Wavelengths from 375nm~830nm
- ESD protection, over-temperature protection and power-feedback
- Modulated by external TTL and DAC signals
- Fully sealed and 10,000 hr lifetime
- Customer can customize the wavelength, fan angle, working distance and line width

### 产品应用 Application

- 可用于机器视觉、生物检测和建筑标识等领域  
Machine Vision, Biological Detection, Position Calibration

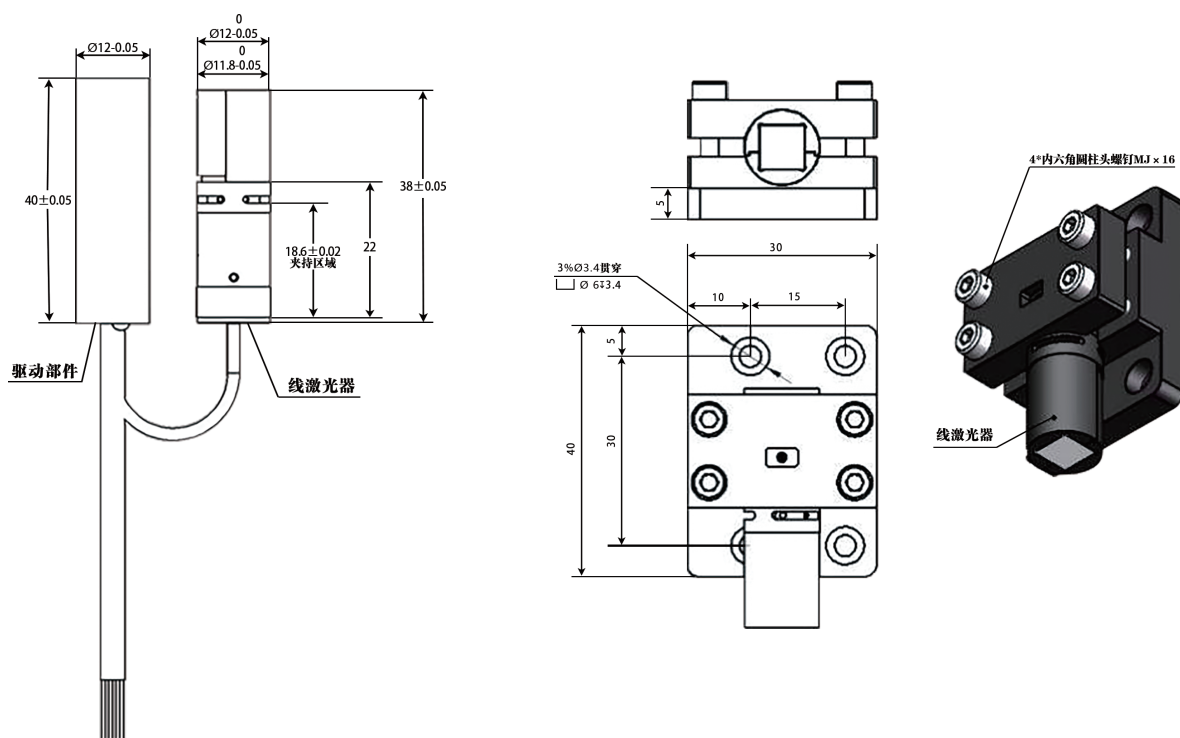


# 线激光器 Line Laser

## 技术参数 Specification

|                                     |                         |
|-------------------------------------|-------------------------|
| 波长   Wave Length(nm)                | 375,405,450,505,650,808 |
| 波长范围   Wave Tolerance               | ±5nm                    |
| 扇角   Fan Angle                      | 10°,20°,30°,45°,60°,75° |
| 直线度   Straightness                  | <0.1%                   |
| 均匀度   Uniformity of Light Intensity | >85%                    |
| 驱动模式   Laser Drive Mode             | DAC/TTL/CW              |
| 工作电压   Working Voltage              | 5.5V                    |
| 直径   Diameter                       | 12mm                    |
| 工作温度   Working Temperature          | 0°C~+60°C               |
| 相对强度   Relative Intensity           | 25%~90%                 |

## 外观尺寸 Dimensions



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