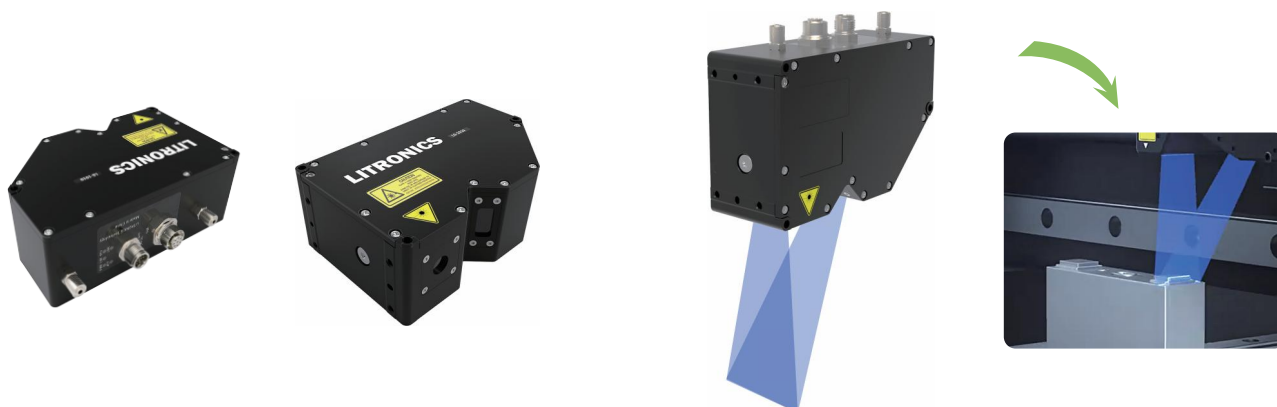




线激光轮廓仪将一条单线细激光光线投射到物体表面，由于物体表面高度发生变化，使得激光线在CMOS上位置发生变化，根据CMOS上位置不同，可以计算出精确的物体表面三维轮廓。

LT1011是专门用于检验起伏低，精度要求高的被测物的3D轮廓传感器。

The line laser profiler scans the 3D surface topography of non-transparent objects and displays the dimensions, defects and other surface feature parameters.

LT1011 is specially designed for inspection of high-precision, small surface undulations of sample parts.

产品特点 Feature&Benefit

- Z轴重复测量精度0.3um
- 支持复杂3D扫描功能，扫描频率高达8kHz
- 支持HDR的多重曝光功能
- 支持GigE Vision和GenICam标准
- 坚固的IP67级密封等级。
- Z-axis repeat accuracy up to 0.2μm;
- 3D profile scanning frequency up to 8kHz;
- The profiler has HDR function to test highly reflective objects;
- GigE Vision with GenICam Interface;
- IP67 seal grade for dust and water resistance.

产品应用 Application

- 光伏硅片检测
- PCB LDI曝光弯曲检测
- 电动车电池检查
- 手机面板平整度检测
- 手机摄像头位置检测
- Photovoltaic Si-wafer Inspection
- Warpage Inspection during PCB LDI-Exposure
- Electric Vehicle Battery Inspection
- Mobile Phone Panel Flatness Inspection
- Cell phone camera position Inspection

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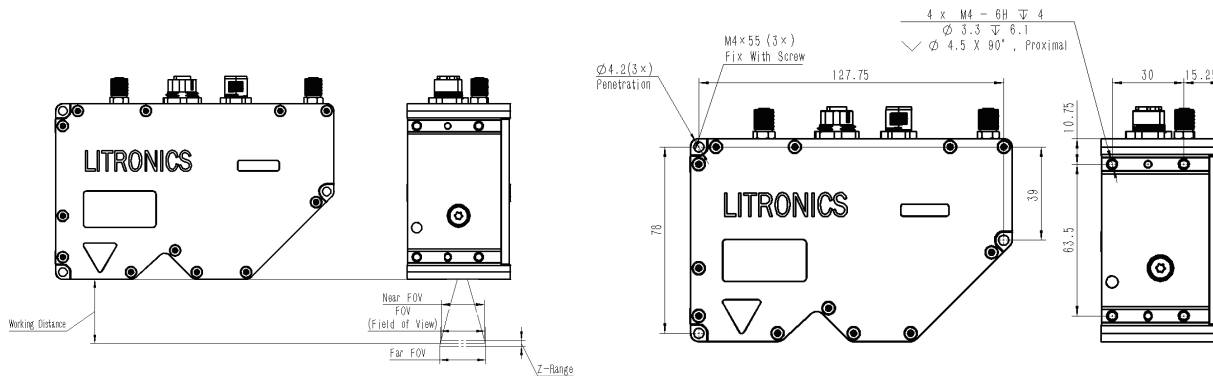


Line Laser Profiler

技术参数 Specification

参数 Item	Unit	LT1011
视野范围(近 中 远) Typical Field of View (Near mid far)	mm	10.5 11 11.5
测量范围(z轴) Measurement Range (Z-axis)	mm	3
工作距离 Reference Working Distance	mm	33
Z轴分辨率 Vertical Resolution (Z-axis)	μm	0.39
X轴分辨率 Lateral Resolution (X-axis)	μm	8.2 8.6 9
Z轴线性度 Z-linearity	μm	±0.015% of F.S
Z轴重复性 Z-repeatability	μm	0.2
X轴最大点数/ 3d轮廓 Maximum Points / 3d Profile	Points	1280
最大扫描频率 Scan Rate (Maximum Measuring Range)	kHz	8
激光波长 Laser Wavelength	nm	450
重量 Weight	g	900
尺寸 Size (LxWxT)	mm	140*95*43

外观尺寸 Dimensions



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