

# QVI® SparkMVP™ TTL Laser

Dedicated Through-The-Lens Design for SparkMVP Systems

- **Use with other sensors** – Switch instantaneously between video and laser measurements
- **Long working distance**– Scan with ample clearance between optics and part or fixture
- **Scan diffuse surfaces** – Optional 5x lens increases resolution for high performance on diffuse surfaces
- **Two Measurement Modes** – Measure individual Z-axis points or scan surfaces for contour measurement.

High-Accuracy, Non-Contact Point Focus and Surface Scanning Sensor

**RAM**



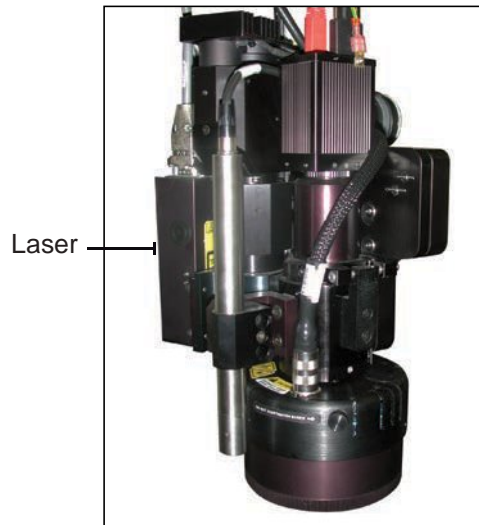
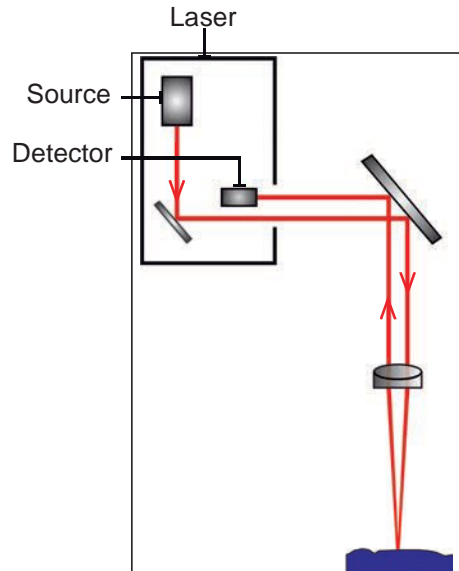
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# QVI® SparkMVP™ TTL Laser



## SparkMVP TTL Laser Specifications<sup>1</sup>

Available for	QVI® SparkMVP measurement systems	
Required Metrology Software	QVI® Measure-X®	
Replacement Lens	2.5x (Standard)	5.0x (Optional)
Working Distance	34 mm	34 mm
Z Measuring Range <sup>2</sup>	600 µm	300 µm
Z Height Resolution	0.5 µm	0.2 µm
Spot Size	16.3 x 8 µm	8.2 x 4 µm

<sup>1</sup>Specifications are nominal for TTL lasers installed on QVI systems when used in the specified operating environment.

<sup>2</sup>Measuring Range tracks within system's Z-axis travel.

### Definitions:

**Measuring Range** - The Z-range over which the performance of the sensor is linear and calibrated. The measuring range lies within the capture range.



### Safety Considerations

This system is classified as a Class II laser device by IEC 825 (2001). **Do not stare directly into the laser source.**



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