



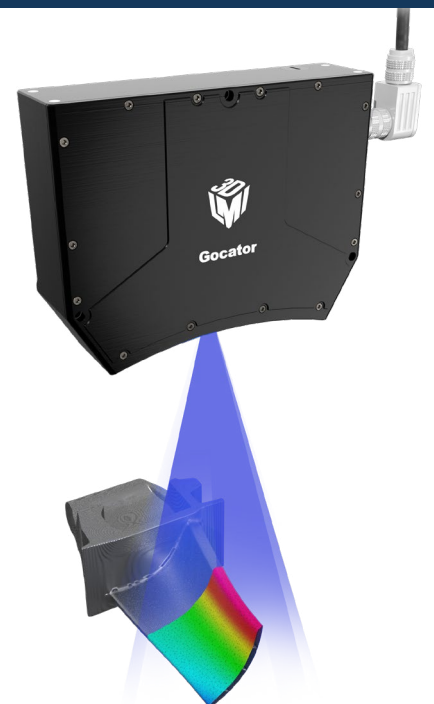
**Gocator**<sup>®</sup>  
ALL-IN-ONE 3D SMART SENSOR

## 3D LASER LINE PROFILERS

### Advancing Quality and Productivity With 3D SensorTechnology

Polyga as the official distributor of LMI Technologies across Western Canada brings together the all-in-one 3D smart sensors trusted worldwide for automated inline inspection.

Gocator combines 3D scanning, measurement and control in a single device, with no external PCs or controllers required. This efficient design paired with high-performance functionality makes Gocator easy to integrate into existing inspection systems—minimizing system cost and maximizing product quality and throughput.





## Gocator 2300 Series

Workhorse Line Profilers for Robust Inline 3D Inspection

- Handles a wide range of applications
- Megapixel imager, 1280 points per profile resolution
- Field of view up to 1260 mm
- Measurement range up to 800 mm

# Specifications

	2320	2330	2340	2350	2370	2375	2380
<b>Data Points / Profile</b>	1280	1280	1280	1280	1280	1280	1280
<b>Linearity Z (+/- % of MR)</b>	0.01	0.01	0.01	0.01	0.04	0.03	0.04
<b>Resolution X (mm) (Profile Data Interval)</b>	0.044-0.075	0.044 - 0.075	0.095 - 0.170	0.150 - 0.300	0.275 - 0.550	0.255 - 0.790	0.375 - 1.100
<b>Repeatability Z (µm)</b>	0.4	0.8	1.2	2	8	12	12
<b>Clearance Distance (CD) (mm)</b>	40	9	190	300	400	650	350
<b>Measurement Range (MR) (mm)</b>	25	80	210	400	500	1350	800
<b>Field of View (FOV) (mm)</b>	18 - 26	47 - 85	96 - 194	158 - 365	308 - 687	324 - 1010	390 - 1260
<b>Dimensions (mm)</b>	Side Mount 35x120x149.5	Top Mount 49x75x142	Top Mount 49x75x197	Top Mount 49x75x272	Top Mount 49x75x272	Top Mount 49x75x272	Top Mount 49x75x272
<b>Weight (kg)</b>	0.8	0.74	0.94	1.3	1.3	1.3	1.3

Optical models, laser classes, and packages can be customized. Contact LMI for more details. Specifications stated are based on standard laser classes. Linearity Z, Resolution Z, and Repeatability Z may vary for other laser classes.

### ALL 2300 SERIES MODELS

<b>Scan Rate</b>	Approximately 170 Hz to 5000 Hz
<b>Interface</b>	Gigabit Ethernet
<b>Inputs</b>	Differential Encoder, Laser Safety Enable, Trigger
<b>Outputs</b>	2x Digital output, RS-485 Serial (115 kBaud), 1x Analog Output (4 - 20 mA)
<b>Input Voltage (Power)</b>	+24 to +48 VDC (13 Watts); Ripple +/- 10%
<b>Housing</b>	Gasketed aluminum enclosure, IP67
<b>Operating Temperature</b>	0 to 50°C
<b>Storage Temperature</b>	-30 to 70°C
<b>Vibration Resistance</b>	10 to 55 Hz, 1.5 mm double amplitude in X, Y, and Z directions, 2 hours per direction
<b>Shock Resistance</b>	15 g, half sine wave, 11 ms, positive and negative for X, Y, and Z directions
<b>Scanning Software</b>	Browser-based GUI and open source SDK for configuration and real-time 3D visualization. Open source SDK, native drivers, and industrial protocols for integration with user applications, third-party image processing applications, and PLCs.

