

# ENGINEERED FOR HIGH SPEED SCANNING AND INSPECTION

## **Gocator 2530** | BLUE LASER

High scan rates (up to 10 kHz or 10,000 profiles per second, including measurement and inspection) allow the Gocator 2530 to meet inline production demands. Wide field of view allows engineers to scan more of the target with fewer sensors—resulting in a more cost-efficient inspection system.

### **CUSTOM EMBEDDED CONTROLLER**

for high-speed, low latency onboard data processing

### **SMALL INDUSTRIAL PACKAGE**

for fast, easy system integration and long sensor lifetime

### **WIDE FIELD OF VIEW**

for capturing more of the scan target with fewer sensors



### **CUSTOM HIGH-SPEED IMAGER**

for micron-level resolution at production speed

### **HIGH-PERFORMANCE CUSTOM LENS**

for high-sensitivity scanning of dark and shiny parts, with no data loss

### **CLASS 2 BLUE LASER**

for the cleanest, highest-quality scan data possible



# EXCELLENT PERFORMANCE ON SHINY SURFACES

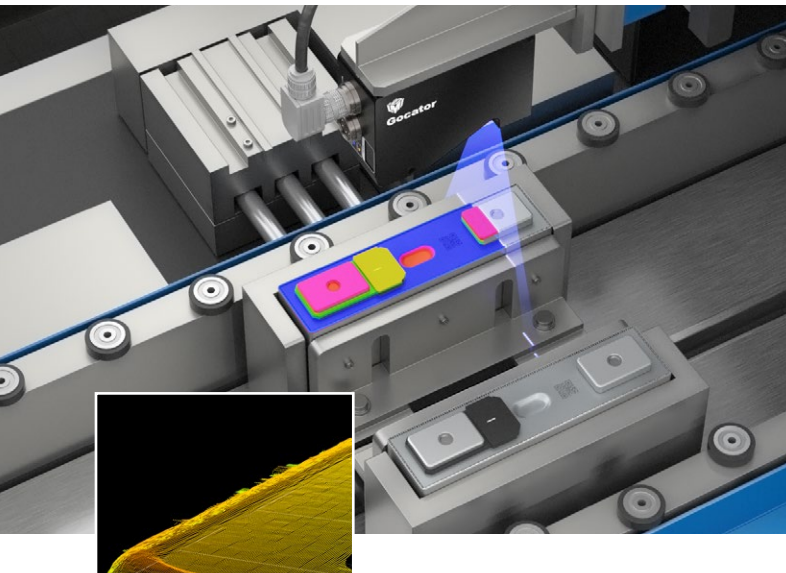
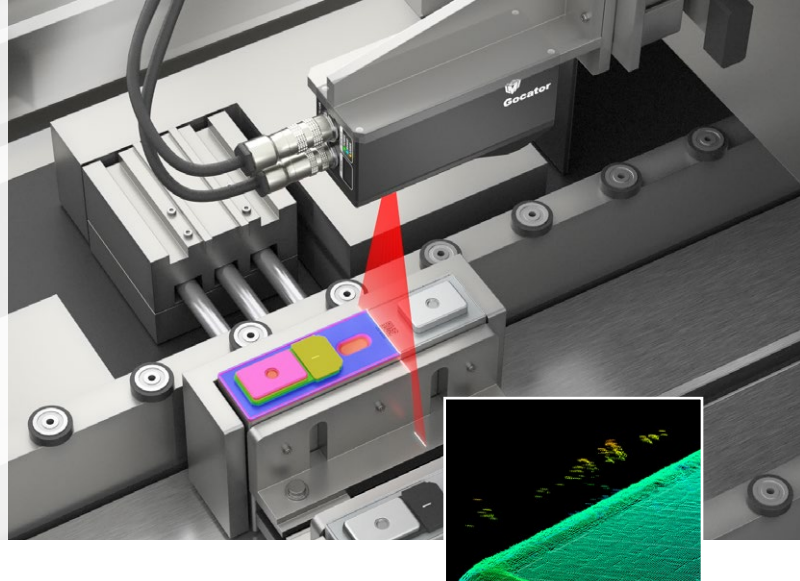
## Gocator 2530 | BLUE LASER

The blue laser light of the Gocator 2530 is preferable to red laser for measuring highly reflective surfaces such as shiny metals typical in battery and consumer electronics applications.

### RED LASER

Red lasers typically operate at 660 nm. The longer wavelength of light can penetrate further into the surface of objects blurring the laser line and reducing the accuracy of the measurement.

When interacting with the small surface features found on highly machined and reflective metal parts, the longer wavelength causes more speckle (noise) in the data.



### BLUE LASER

Blue lasers operate at 405-450 nm of the visible light spectrum. Shorter wavelengths allow for a thinner, more focused laser line for precision measurements, create less speckle, and produce greater scattering.

When scanning smaller surface features on highly polished and machined surfaces, the shorter wavelength and narrow laser line produces images with less noise, resulting in cleaner data.

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