

# PHOTONICS spectra®

## WHITE PAPERS & APPLICATION NOTES



**APPLIED IMAGE**  
Where Your **IMAGE** Matters.

Partnerships That Work  
Case Study

Custom Checkerboard Target

**CAG**  
Valued Customer  
CONTROL AUTOMATION  
GROUP, LLC

**About CAG**

CAG is an industry-leading integrator of custom automated manufacturing equipment in the global manufacturing marketplace and offers equipment solutions with a proven performance history. CAG ensures its clients have access to the machinery, equipment, and other integrated resources needed to wholly or partially automate their manufacturing process.

**Background**

CAG uses its vast experience in the custom assembly and test equipment industry to provide robotics, machine vision, electrical engineering, industrial automation, and control services. Their automated systems improve quality, enhance safety, increase productivity, and help reduce business costs,

resulting in repeat customers accounting for 80% of CAG's business.

CAG supports the growing demand for automation across various industries, including automotive, electronics, biomedical, medical devices, consumer products, and manufacturing.

In healthcare, the increased prevalence of diabetes is creating a growing demand for diabetes monitoring devices such as continuous glucose monitoring devices (CGMs). In turn, manufacturers focus on introducing cutting-edge technology to meet these market demands. CAG stands ready to support manufacturers' efforts to accelerate and advance the production of this wearable technology.

This case study shares CAG's latest success in helping a key customer bring advanced, defect-free CGM devices to market, supported by a custom checkerboard target manufactured by Applied Image.

APPLIED IMAGE, Inc. | [www.appliedimage.com](http://www.appliedimage.com) 1

### Case Study: Customer Target Ensures Confidence in Measurement & Inspection Accuracy

Objective: Produce an Advanced Defect-free Continuous Glucose Monitor (CGM). This study shows how a leading assembly and automation equipment integrator used a custom checkerboard target to develop a machine used to assemble a CGM transmitter. The chrome and clear glass target met the requirements to ensure 100% surface inspection and tight operational and cosmetic quality standards. Applied Image produced the custom target and provided NIST Traceable measurements and documentation.

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