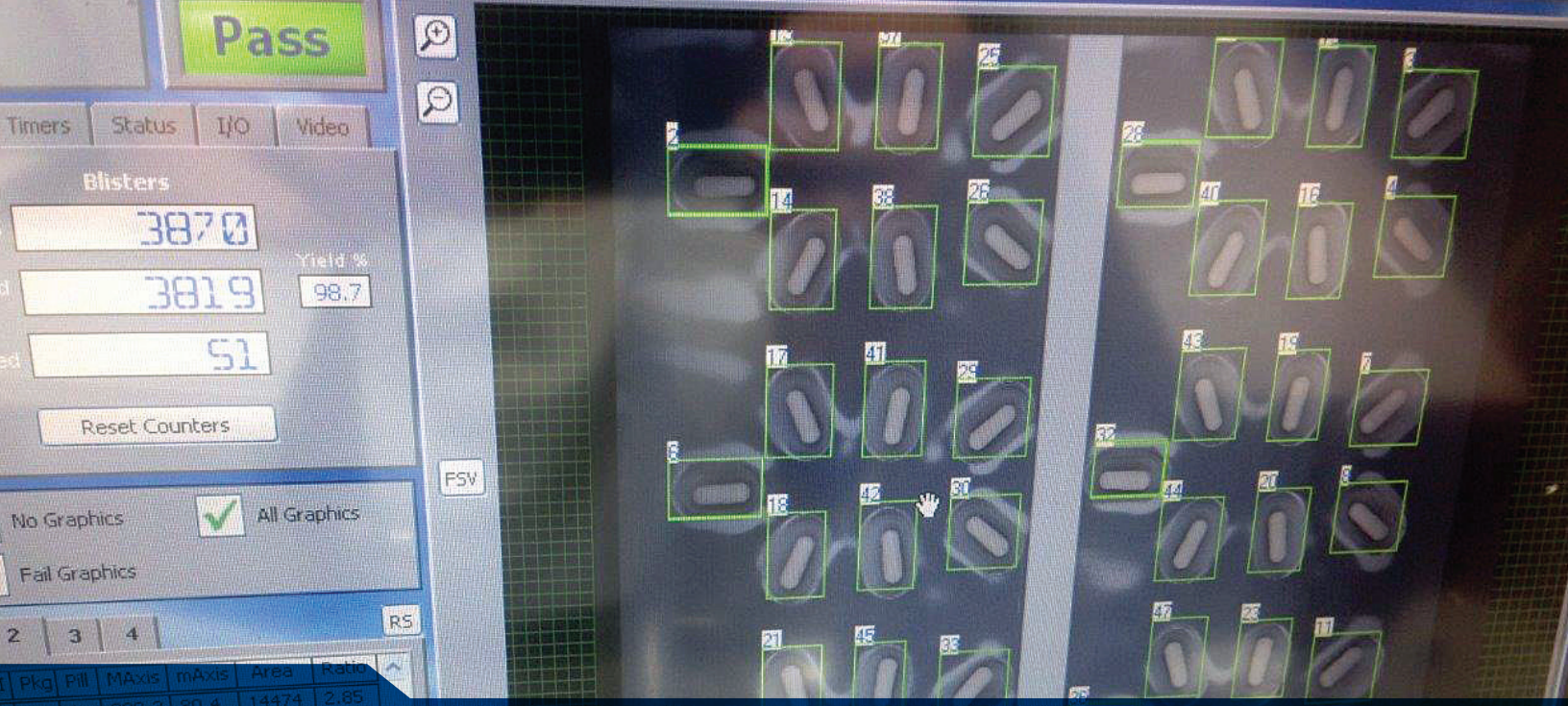


Struggling to Inspect Highly Reflective Surfaces?

Smart Vision Lights' TL305 Light Raises the Bar for Blister Packaging Inspection

PCI specializes in multiple package configurations on a variety of contract pharmaceutical blister packaging lines. They needed to find the right light architecture to optimize their machine vision-automated inspection systems.

Smart Vision Lights met the challenge by developing the **TL305**, a custom on-off axis LED light that provides extremely intense and diffused multidimensional light for highly reflective surfaces. These substrates — including foil and clear, opaque, and tinted PVC — have varying characteristics for illumination, transparency, and reflectivity.

SMART VISION LIGHTING IEC 62471 COMPLIANT

"These lights were custom designed for the pharmaceutical application that we use them for. However, the light itself would be very useful on any line-scan application where any reflective materials or products are being inspected."

— Ray Hook, Senior Manager, Global Serialization Services, PCI

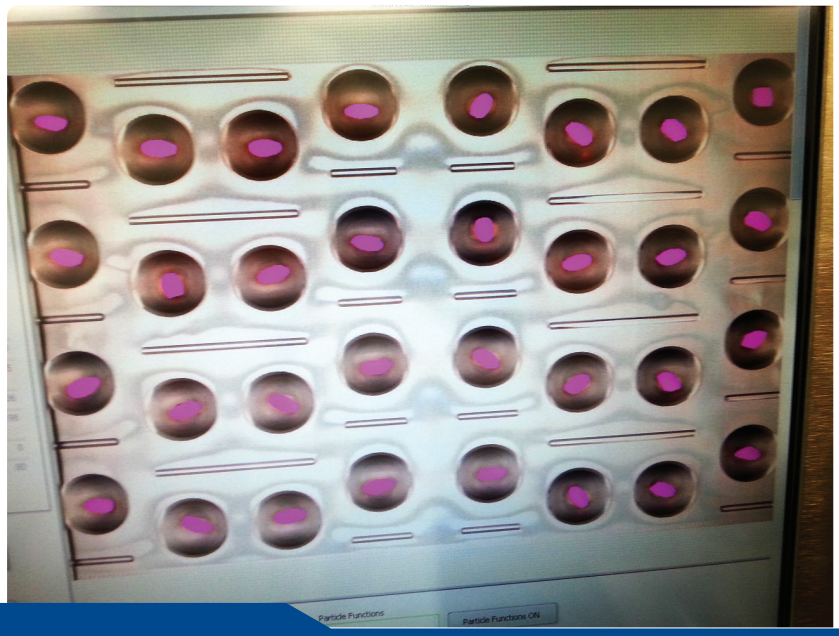
smart vision lights

aia advancing VISION+IMAGING MEMBER

ASSOCIATION FOR HIGH TECHNOLOGY DISTRIBUTION AHTD

SATELLITE™ Intertek

Smart Vision Lights
5113 Robert Hunter Dr. | Norton Shores, MI 49441
Phone: 231-722-1199
Fax: 231-722-9922
info@smartvisionlights.com
smartvisionlights.com



A setup screen of PCI's vision system looks at gel caps that are very light pink and nearly transparent. The pink areas show that the system is easily detecting gel caps with no background noise.

The product in foil blister prior to inspection.

Smart Vision Lights: Your Trusted Source

With its even illumination, the **TL305** accomplishes what no light on the market can do. The lighting solution:

- avoids "hot spots," or bright reflections that confuse the machine vision software.
- eliminates blurred edge contrast.
- provides better imagery on gel caps.
- increases the camera's color response.

Smart Vision Lights also provides separate intensity control for each axis of light. This control has allowed PCI to successfully implement numerous cameras for inspection on multiple processing lines for products ranging from clear, brown, and opaque containers, and for products varying in formats and colors.

If you struggle with inspecting highly reflective surfaces, let Smart Vision Lights demonstrate the capabilities of our **TL305** on-off axis LED light.

Need a custom light or machine vision application assistance?
Contact Smart Vision Lights to deliver a solution.

PCI's standard inspection hood required very little modification to accommodate the TL305.

smart vision lights

advancing VISION+IMAGING MEMBER

ASSOCIATION FOR HIGH TECHNOLOGY DISTRIBUTION AHTD

SATELLITE™ Intertek

Smart Vision Lights
5113 Robert Hunter Dr. | Norton Shores, MI 49441
Phone: 231-722-1199
Fax: 231-722-9922
info@smartvisionlights.com
smartvisionlights.com