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Illumination for pharmaceutical blister pack inspection

Smart Vision Lights' TL305 on and off axis light, available from STEMMER IMAGING, is designed for difficult blister pack inspection tasks. The inspection of curved reflective blister packs is one of the most challenging machine vision tasks. This type of application requires diffuse lighting to properly illuminate the transparent packaging and pocketed foil to ensure the product quality of pharmaceutical goods.



The new TL305 on and off axis illumination is Smart Vision Lights' powerful lighting solution for these applications and works by increasing the colour response of the camera. The unique design has proven to reduce reflections, glare and 'hot spots' while delivering excellent image quality and providing the most accurate view of the packaging's contents. The challenge of inspecting clear gel caps against various backgrounds, including foil or clear, or multi-coloured products is less of a concern as well, since this new light has eliminated 'halo' reflection and blurred edge contrast.

Ideally suited for any application incorporating a line-scan camera over a conveyor, the new TL305 delivers a unique 'light tent'-like illumination architecture while offering independent user control of both on-axis and off-axis intensity from Smart Vision Lights' own internal driver to mitigate product or package variation. Available in custom lengths and multiple LED colours/wavelengths, this light is expected to set the standard for challenging blister- and foil-pack applications.

Further information:

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