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ProPhotonix Limited

("ProPhotonix" or "the Company")

**ProPhotonix Announces COBRA™ Coaxial for On-Axis Inspection of Specular and Recessed Surfaces**

ProPhotonix Limited, a designer and manufacturer of high-performance LED illumination systems and laser diode modules, part of Exaktera, is pleased to announce the launch of the new COBRA™ Coaxial, a beam-splitter attachment that adds on-axis illumination to COBRA™ line lights for linescan and web inspection. Designed for specular and recessed surfaces, it provides a bright, uniform field that reveals surface features with high contrast, free of the directional shadows associated with angled illumination.

An integrated 45° beam-splitter directs light along the same optical axis as the line-scan camera. Light reaches the surface at near-normal incidence, while reflected light passes through the beam-splitter to the camera. This arrangement renders flat specular surfaces as a bright background, highlighting features such as scratches, pits, engravings, and the floor of a deep recess.

COBRA™ Coaxial mounts directly onto standard COBRA™ Slim, COBRA™ Max, COBRA™ MultiSpec, and COBRA™ HyperSpec line lights. Four configurations match base emitting lengths of 100 mm, 200 mm, 300 mm, and 400 mm. The attachment preserves the base light's wavelength and control options, including strobing and onboard Ethernet control via the base COBRA™. Optional diffusers are also available.

Applications include wafer and semiconductor surface inspection, glass and flat-panel display inspection, and inspection of reflective metal, foil, and film. The attachment also supports connector and pin inspection, printed or laser-marked specular parts, and PCB features in shadowed or recessed areas.

"COBRA™ Coaxial brings shadow-free, on-axis illumination to the COBRA™ line light

platform, allowing for high-contrast imaging of specular and deep-recess features without needing a redesign of their inspection setup.” said Matthew Branch, Global Product Manager, Exaktera.

The Coaxial attachment should be ordered together with the base COBRA™ line light so that both units can be assembled at ProPhotonix before shipping.

For more information, visit: https://www2.prophotonix.com/l/107102/2026-11-04/72lz4j

For High-Resolution Images, click here.

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**About ProPhotonix**

ProPhotonix Limited is a high-technology designer and manufacturer of diode-based laser modules and LED systems for industry-leading OEMs and medical equipment companies. The Company serves a wide range of markets including the machine vision, industrial inspection, security, and medical markets. For more information about ProPhotonix and its innovative products, visit the Company's website at www.prophotonix.com.

**About Exaktera**

Exaktera is a photonics technology partner for teams applying technologies, combining deep application expertise, a flexible technology portfolio and hands-on engineering support. Our brands, ProPhotonix, Z-LASER, VisioCablePro, autoVimation, and Advanced Illumination deliver laser and LED-based solutions that deliver system performance in varied markets including machine vision, automation, and medical solutions. Most suppliers in this category compete on specifications and performance claims. Exaktera competes on fit: working closely with OEMs and technology leaders to understand the application, weigh the trade-offs, and select technologies that hold up in production, not just on paper.