Press Release

Source: Vision Engineering

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Vision Engineering Brings 4K Inspection to Malaysia

Vision Engineering Launches EVO Cam AURA, Bringing 4K Digital Inspection to Malaysia's High-Growth Manufacturing Sectors

KUALA LUMPUR, MALAYSIA – Media OutReach Newswire – 29 October 2026 – Vision Engineering, a British microscope manufacturer with direct operations in Malaysia, has launched EVO Cam AURA, a 4K digital microscope platform built for the quality demands of the country's booming semiconductor, electronics and precision engineering sectors. The system succeeds EVO Cam II, which became an industry standard across electronics, automotive, aerospace, medical device and research applications worldwide.

The Pressure on Malaysian Production Lines

Malaysia's New Industrial Master Plan 2030 is driving the E&E sector toward the national RM1 trillion export target. IC packaging, PCB assembly and sensor production across Penang and Kulim demand finer defect detection at higher throughput. Inspection microscope manufacturers serving these sectors face mounting pressure, as ergonomic research indicates that inspection fatigue can reduce detection accuracy after just two hours of continuous work, affecting yields, scrap rates and operator retention.

Precision and Comfort in One System

EVO Cam AURA addresses both challenges. True 4K imaging resolves hairline cracks, contamination and pad geometry at the level that semiconductor packaging and medical implant tolerances demand. Operators work from a screen rather than through traditional eyepieces, so prolonged inspection places far less strain on eyes, neck and back, helping teams sustain accuracy across full shifts. When operators stay comfortable, defect detection remains consistent and production quality holds.

"Malaysia has firmly established itself as a sophisticated global manufacturing hub, particularly within the semiconductor and medical device sectors," said Ganesh Ramakrishnan, South East Asia Regional Director at Vision Engineering. "Components are shrinking and tolerances are tightening. EVO Cam AURA gives quality teams the imaging clarity and integrated digital workflow they need to protect yields while meeting standards such as ISO 13485 and IATF 16949."

Smart Manufacturing Integration

AURA software consolidates zoom, focus, lighting, capture, calibrated measurement and analysis into a single on-screen interface. Supervisor Mode locks critical parameters across systems and sites, while go/no-go overlays and golden-sample comparison reduce the steps between inspection and documentation.

EVO Cam AURA comes in three models, 4K Touch, 4K and HD, and operates standalone with no PC required. Secure variants are available for facilities where wireless connectivity, Bluetooth or removable storage cannot be permitted. Wi-Fi and LAN connectivity support live streaming and remote oversight, aligning with Malaysia's push toward smart manufacturing and Industry 4.0 readiness.

The Shift Already Under Way

The move from traditional eyepiece inspection to integrated digital precision is gaining ground across Malaysian manufacturing, and choosing the right digital microscope supplier matters more than ever.

To book an on-site demonstration using your production samples, visit my.visioneng.com, email info@visioneng.asia, or call +6012710266.

About Vision Engineering Ltd

Vision Engineering Ltd provides inspection and metrology solutions across industry, science and research, from ergonomic optical magnification to advanced digital microscopy and non-contact measurement systems. Its product range includes the Mantis and Lynx EVO ergonomic stereo microscopes, the ProteQ VISO and EVO Cam series of digital microscopes, and a range of vision measurement systems for non-contact dimensional inspection and verification. Vision Engineering is certified to ISO 9001:2015 for its quality management system.

Vision Engineering's contract manufacturing division offers comprehensive contract manufacturing, design, and commercialisation packages, giving customers access to the latest technology, as well as a team of experienced designers and engineers.

Founded in 1958 and wholly British-owned, Vision Engineering's Global HQ, design, and manufacturing facilities are based in state-of-the-art modern premises in Woking, Surrey, UK, with extensive manufacturing facilities in the UK and the US. Regional sales and tech support offices are located throughout North America, Europe, and Asia, supported by a fully trained network of distributors.

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