# Avnet Silica unveils AI-powered Defect Visual Inspection system for enhanced quality control

*Cutting-edge solution streamlines inspection process, reducing errors and boosting efficiency across industries*

**Brussels, Belgium, 28th June, 2023**– Avnet Silica, an Avnet company (NASDAQ: AVT) and Deep Vision Consulting, an Italian AI company focused on computer vision, have launched the innovative Defect Visual Inspection (DVI) solution, a cost-effective, reliable, and user-friendly AI-based system designed to automate visual inspections in a variety of industries. With the visual inspection market projected to reach $25.5 billion by 2027, the demand for accurate and automated inspection processes is on the rise. The DVI solution is a combination of a compact system-on-module (SoM) and a software library optimized to run at the edge, making it ideal for applications in industrial, medical, food, electronics, semiconductor, packaging, and other sectors.

DVI trains the AI directly on the device and requires only a few images from samples of "good" objects. The use of AI ensures a quick and easy setup process and delivers higher accuracy and fewer errors compared to either manual inspections or automatic inspections based on traditional image processing techniques, eliminating the need for human operators or machine learning experts. As a result, businesses can streamline their quality control processes and reduce the costs associated with traditional inspection methods.

The all-inclusive DVI product consists of a software library, system on module, camera and lens, carrier card, and more. This comprehensive package offers a cost-effective alternative to existing solutions while maintaining a high level of performance and reliability. The system's flexibility allows for seamless integration into various industrial applications, ensuring that companies can adapt to evolving market demands with ease.

Michael Uyttersprot, Project Coordinator at Avnet Silica, said " The Defect Visual Inspection solution is a game-changer for businesses seeking to optimise their inspection processes. By harnessing the power of AI and properly optimizing it to run at the edge, Avnet Silica and Deep Vision Consulting have created a stand-alone embedded system that not only offers higher accuracy and fewer errors but also simplifies the setup and integration process. This cutting-edge solution will enable companies across multiple sectors to enhance their quality control, improve operational efficiency, and ultimately, boost their bottom line."

For more details on Avnet Silica's Defect Visual Inspection solution and its potential applications, please visit our website.
Check out the DVI demo video on Youtube.

**About Avnet Silica**
Avnet Silica is the European semiconductor specialist division of Avnet, one of the leading global technology distributors, and acts as the smart connection between customers and suppliers. The distributor simplifies complexity by providing creative solutions, technology and logistics support. Avnet Silica is a partner of leading semiconductor manufacturers and innovative solution providers over many years. With a team of more than 200 application engineers and technical specialists, Avnet Silica supports projects all the way from the idea to the concept to production. Avnet Silica is a regional business unit of Avnet, (NASDAQ: AVT) with European headquarters in Belgium (Avnet Europe Comm. VA). For more information, visit www.avnet-silica.com

**About Avnet**
As a leading global technology distributor and solutions provider, Avnet has served customers' evolving needs for an entire century. We support customers at each stage of a product's lifecycle, from idea to design and from prototype to production. Our unique position at the center of the technology value chain enables us to accelerate the design and supply stages of product development so customers can realize revenue faster. Decade after decade, Avnet helps its customers and suppliers around the world realize the transformative possibilities of technology. Learn more about Avnet at www.avnet.com.

**About Deep Vision Consulting**
Deep Vision Consulting is your AI expert in Computer Vision and 3D Vision at the edge.
The ready-to-use software assets in the Deep Vision Library are designed to easily turn your images, videos or 3D data into valuable high-level insights and carefully optimized for the execution over the most relevant embedded processors and AI accelerators. And in case your challenge requires an extra mile, the talented team of engineers and computer scientists from Deep Vision is ready to create the customized solution for your specific case. Learn more about Deep Vision Consulting at www.deepvisionconsulting.com

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