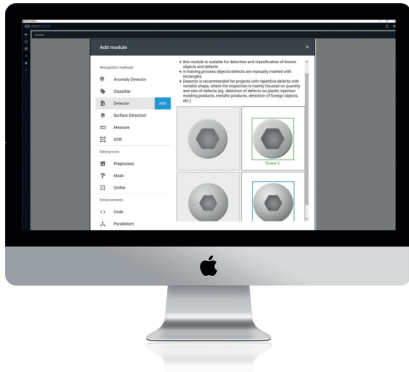




PEKAT VISION

BRAIN BEHIND THE EYE

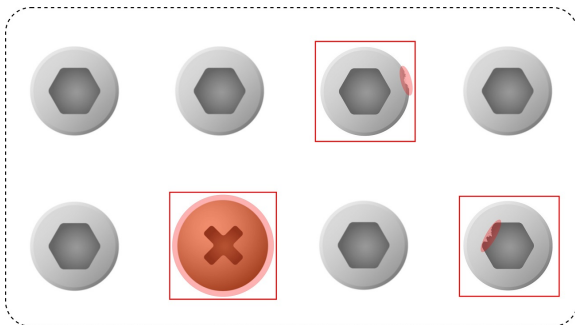


PEKAT VISION is a state of the art software solution for **industrial visual inspection and quality assurance** based on advanced deep-learning algorithms and neural networks.

By learning to understand the product or material from a set of images, it is able to find anomalies, detect and classify defects, or check surfaces even on materials and objects where other vision systems failed.

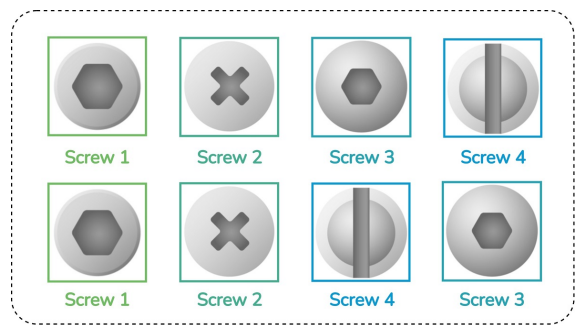
Main Modules

PEKAT VISION offers a set of self-learning modules which can be seamlessly combined and integrated with scripting code to tackle a wide range of vision tasks in manufacturing. For most applications no programming is required.



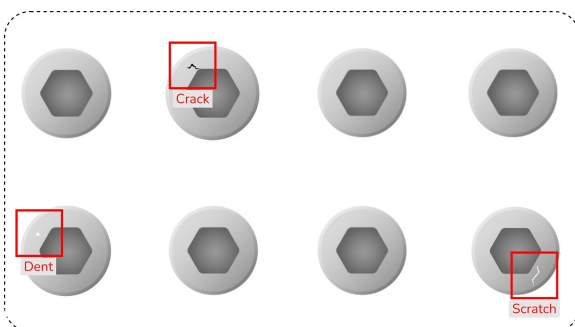
Anomaly Detection

Identifies random, unspecified defects. A deep-learning module trained on only a few defect-free images.



Object Detection & Classification

Locates objects, detects presence/absence of components or identifies defects, with the option to classify them.



Surface Inspection

An AI module identifying irregular defects using images with annotated example issues. Simple annotation with a mouse.

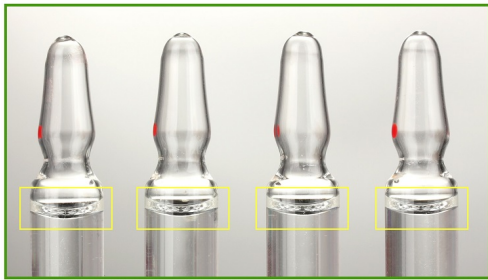


OCR & OCV

Reads and verifies alphanumeric and other characters, symbols, or strings of text from a variety of surfaces.

Solution for Multiple Industries

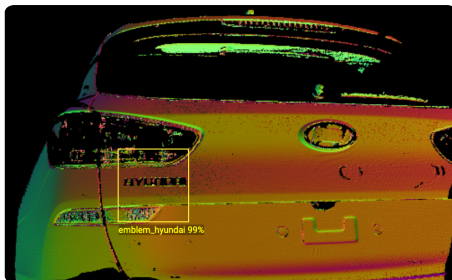
PEKAT VISION offers a highly versatile solution for many industrial applications.



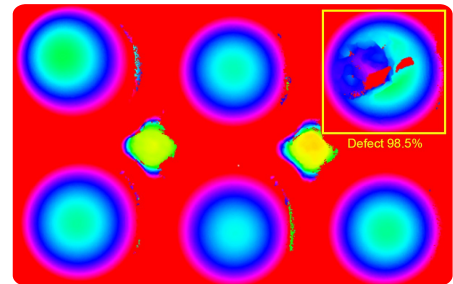
Liquid level Inspection



Oil filter quality Inspection



Assembly Verification



Packaging Content Inspection using 3D imaging

Why PEKAT VISION?

Ease of Use & Compatibility

PEKAT VISION offers an intuitive and user friendly software environment. It is compatible with most 2D camera and 3D scanner brands, smart cameras and embedded devices with Nvidia® Jetson®, and PCs with Nvidia GPU. It is well suited for on-premise as well as edge computing.



Fast Integration

Predefined output rules significantly speed up the integration process. Furthermore, we work closely with a number of partners throughout the globe that can help you with hardware selection based on your specific business requirements and with smooth integration within your company-wide system.

Comprehensive Support

Our goal is to offer our customers a cutting edge, easy to integrate solution that will increase their productivity and support their growth. We offer a free feasibility study, free 30-day trial, support during and after the trial and implementation, and a comprehensive training among other.

Nvidia and Jetson are registered trademarks of Nvidia Corporation.

Our distributor in Israel is **1vision** . Learn more or request a demo at: www.1vision.co.il

Pekat is now part of Datalogic Group

