



## ViTrox Technologies implements PCB-Investigator for PCB Bare Board AOI

ViTrox Technologies is a Malaysian company specialized on the production of automated vision inspection systems and equipment for semiconductor and electronic packaging industries. Since its foundation 1999 it has been growing and is now operating worldwide affiliating the three business units MVS, AOI and AXI. The company is committed to providing the most accurate, reliable, fast and easy of use machine vision solutions. One of the acceptance factors on the market is the integration of our PCB-Investigator software for their Automated Optical Inspection (AOI) solutions, particularly for the award winning V2000.



***"ViTrox V2000 AOI is a fast, accurate, cost effective machine that guarantees the production quality. With the integration and partnering with PCB-Investigator software from EasyLogix, the V2000 AOI is even more flexible to accept file format that could be used for automate the inspection. V2000 AOI could take the normal Gerber file, ODB++ file format, and with PCB-Investigator, we believe V2000 AOI could take more file format from customer, and more variety of products can be inspected by V2000 AOI in the near future."***

Automated Optical Inspection is used to detect defects in the production of printed circuit boards or parts of it. A camera takes a snapshot of the manufactured product and sends the image to the V2000 equipped with PCB-Investigator: Original CAD data is created by PCB-Investigator's AOI Plug-In, so that each single part can be compared to it. Faults which are barely visible to the naked eye are detected in high resolution images and only impeccable layers get through the system and are forwarded to the next production step. Like this, every singly added value of the product can be protected.

ViTrox was looking for a software able to meet their requirements, such as running on a multicore system, calculating images up to 6000 dpi and an easy setup. They found it with PCB-Investigator. In addition, PCB-Investigator has proven correct interpretation of any available data in ODB++ and Gerber and therefore allows the live implementation of the high resolution images into the AOI process. The broad range of detectable defects covers opens, shorts, intrusions/protrusions, missing copper, extras, spacing violation, pin-holes, missing holes and via holes.