



FOR IMMEDIATE RELEASE

Contact:

ViTrox Technologies Sdn. Bhd.

746, Persiaran Cassia Selatan 3,

Batu Kawan Industrial Park,

14110 Bandar Cassia,

Penang Malaysia.

Tel: (+604) 545- 9988

E-mail: enquiry@vitrox.com

Website: www.vitrox.com



ViTrox V510i 3D AOI Successfully Makes The IPC-CFX-2591 QPL - A Remarkable Achievement!



IPC-CFX QUALIFIED PRODUCT LISTING

ViTrox Technologies

This product meets the requirements of IPC-2591

David Bergman
IPC Vice President Standards and Technology



Model:

Qualifications ViTrox V510i
Classification Automated
Inspection (AOI/AXI)
Qualified Software Versions
1.5.1.21
CFX Version 1.3

PENANG, MALAYSIA - OCTOBER 2022 ViTrox Technologies is honored to announce that our [V510i Advanced 3D Optical Inspection \(AOI\) Solution](#) has successfully passed the qualification audit for [IPC-CFX-2591 Qualified Products Listing \(QPL\)](#) and has received the mandatory IPC-CFX messages for classification.

The implementation of the IPC-CFX on a shop floor heavily relies on the equipment's ability to support the IPC-CFX-2591 standards. ViTrox's 3D AOI solution's successful validation of IPC-CFX QPL strengthens the confidence of our global customers in the quality of ViTrox PCB SMT Vision Inspection solution and products, especially in connecting equipment and data with the standard IoT protocol for Industrial 4.0 applications, such as IPC-CFX-2951. The listing of V510i 3D AOI on the IPC-CFX QPL also signifies that ViTrox's solution is compatible with the IPC-CFX-2591 standards. Hence, electronics manufacturers and OEMs planning to implement the IPC-CFX can be confident that ViTrox PCB SMT Vision Inspection solution is compatible with IPC-CFX, which is suitable to meet their requirements.

At the same time, ViTrox continues to develop the most innovative solution with machine-to-machine (M2M) connectivity to match the ever-changing demands in the electronics manufacturing industry, moving further into the era of Smart Manufacturing. Hence, ViTrox is actively collaborating with IPC to validate the full spectrum of its PCB SMT Vision Inspection Solution for the IPC-CFX QPL. You can also find the validated ViTrox Solutions on the IPC-CFX-2591 QP Listing Portal at <https://certification.connectedfactoryexchange.com/certification-directory>.

ViTrox has also expanded its latest V510i 3D AOI detection capability to inspect beyond the SMT component packages that match the current market demand to improve the user experience. With Artificial Intelligent (A.I.) integration, the V510i 3D AOI AI Smart programming automates the AOI programming process using intelligent algorithm assignment compliant with the IPC Class parameters and covers up to 95% of component packages. Users can also enjoy up to 88% of programming time improvement for NPI. In addition, A.I. integrated VVTS provides the best-in-class A.I. model to support users with the automated post-inspection call analysis and judgment that can eliminate human judgment mistakes. Overall, the V510i 3D AOI solution provides high-resolution imaging with Industry 4.0 Manufacturing Solution to achieve humanless operation through reduced operator workload with minimal skill dependency.

Asides from the IPC-CFX standard, ViTrox [Industry 4.0 Manufacturing Intelligence Solution \(V-ONE®\)](#) provides M2M connectivity and big data analytical capabilities for users to monitor production performance using the real-time production process insights and data analysis with image traceability across ViTrox vision solutions. With V-ONE®, manufacturers can have a strategic approach to oversee the production process to minimize production downtime and improve production efficiency.

Are you interested in implementing IPC-CFX compliant vision inspection solution to achieve Smart Factory? Contact ViTrox Sales Experts by emailing (sales_pca@vitrox.com) or reach out to [ViTrox Authorized Local Support](#) for more information and assistance.

About ViTrox Technologies

ViTrox is committed to being the World's Most Trusted Technology Company and the leading solutions provider through the most innovative, advanced, and cost-effective machine vision solution of excellent quality to its customers by integrating ViTrox's technologies, people, and strategic alliances.

As one of the key founding members of the IPC-CFX group, ViTrox has been actively contributing to the leadership and innovation of the Smart Factory Industry 4.0, especially towards the IPC-CFX-2591 machine-to-machine (M2M) communication capabilities across the manufacturing environment.

ViTrox offers a full spectrum of automated 3D vision inspection solutions, including [Intelligent Advanced Robotic Vision System](#), [SMT PCB Vision Assembly Inspection Solutions](#), and [Industry 4.0 Manufacturing Intelligence Solutions](#). ViTrox is headquartered in Penang, Malaysia, with offices in Asia, Germany, and the United States and global sales and support sites.