

ADVANCING ELECTRONICS INDUSTRY THROUGH IPC STANDARDS, TECHNOLOGY, AND COMMITMENT

Since its inception in 2000, ViTrox Technologies has been at the forefront of innovation, designing and manufacturing cutting-edge, cost-effective automated vision inspection equipment and system-on-chip embedded electronics devices for the semiconductor and electronics packaging industries. Its core product offerings, Machine Vision System (MVS), Automated Board Inspection (ABI), and Integrated Industrial Embedded Solutions (IIES) have positioned it as a trusted partner in advancing electronics manufacturing capabilities worldwide.

Building on this foundation of innovation, the company is guided by its core values Integrity, Accountability, Courage, Trust and Respect, and Gratitude and Care. Serving as a compass for both individuals and the organization, these values shape decision-making, influence behaviors, and reinforce ViTrox's commitment to sustainable excellence.

These values also form the foundation for ViTrox's rigorous adherence to IPC standards and training, which are promoted globally by the Global Electronics Association. Its inspection systems (SPI, AOI, AXI) are developed in compliance with standards such as IPC-A-610 (Acceptability of Electronic Assemblies) and IPC-2221 (Design Standards). By mapping machine programming, inspection rules, and defect classifications to IPC-compliant acceptance criteria, ViTrox ensures consistent and universally recognized quality benchmarks. Continuous updates, including the integration of revisions such as IPC-A-610J further enable customers to stay current with evolving international requirements.

By integrating values with standards, ViTrox not only ensures consistent quality, compliance, and efficiency across the electronics manufacturing ecosystem but also improves their own operational excellence along with empowering customers to deliver world-class, reliable products across industries such as automotive, aerospace, industrial, and medical electronics.



In this broader context, ViTrox recognizes the Global Electronics Association as a driving force in the industry. By setting international standards, nurturing skilled talent, and fostering cross-border collaboration, the association enables manufacturers to achieve compliance, accelerate innovation, and expand global market access. These efforts, from company's perspective, are critical to maintaining competitiveness and sustainability in a rapidly evolving industry.

As stated by Ms. Tan Piet Gek, Product Marketing Manager of Business Development

"IPC standards and training are vital for ensuring quality and innovation in the global electronics assembly market. We believe that through active collaboration with the Global Electronics Association, we strengthen skills, share best practices, and build a competitive electronics industry".