

VEXOS Vietnam: Leading the Way in Electronics Manufacturing in Southeast Asia with IPC Standards and Certification



Driven by the rapid pace of technological change, Electronics Manufacturing Services (EMS) are fueling progress across the global electronics landscape. At the forefront of this transformation is VEXOS, a company that has grown from its roots as a North American powerhouse into a trusted global partner, steadily expanding its presence and capabilities in Asia.

To strengthen its footprint in the Asia-Pacific market and bring advanced electronics solutions closer to customers, The company entered Vietnam in April 2019 with the establishment of a state-of-the-art facility in Ho Chi Minh City. **This was more than just a new manufacturing site, it was a carefully planned strategic move to enhance VEXOS operational presence in Asia and offer customers additional options to optimize their supply chains.** The facility was built to deliver end-to-end electronics solutions, including Electronics Manufacturing Services (EMS), Advanced Rapid Prototyping, New Product Introduction (NPI), Supply Chain Solutions, and Custom Material Solutions (CMS), all supported by internationally recognized certifications that underpin the company's commitment to consistent quality and reliability.

Building on its success in Ho Chi Minh City, VEXOS further strengthened its presence in June 2025 with a second office in Hanoi, dedicated to Custom Material Solutions (CMS) operations. **This facility enhanced the company's ability to provide global sourcing and engineering solutions for materials and components** - from PCBs and plastics to metals, cables, and complete electromechanical assemblies. Together, the Ho Chi Minh City and Hanoi sites form a seamless network, enabling Vexos to deliver high quality, flexible solutions that respond efficiently to the dynamic needs of its customers.

The combined strength of these facilities also positioned Vexos as a **strategic centre for serving highly regulated, precision-driven sectors, including automotive, aerospace, and defense.** The Vietnam facilities integrates advanced manufacturing technologies such as surface mount technology (SMT) lines, automated optical inspection (AOI), and X-ray testing, all complemented by rigorous process controls. Close collaboration with engineering and quality teams in North America ensures full traceability, documentation, and transparency, allowing Vexos to provide cost-effective solutions with shorter lead times without ever compromising on the stringent standards these industries demand.

This robust infrastructure and expertise also enable VEXOS to take on highly complex projects with confidence. A notable example is the development of a next-generation Parking Meter solution, where company efficiently sourced and engineered materials including PCBs, plastics, metals, displays, and cables, while leveraging state-of-the-art PCBA lines and comprehensive box-build capabilities. By managing every stage of production in-house, the team delivered a scalable, flexible process that met tight deadlines and evolving customer requirements, demonstrating Vexos' ability to turn complex challenges into seamless, reliable solutions.

At Vexos, **quality isn't just a metric, it's a mindset shaped by skill, discipline, and adherence to global standards.** Behind every assembly they build, is a team committed to maintaining excellence through internationally recognized IPC standards. Teams actively apply IPC-A-610: Acceptability of Electronic Assemblies, with training scheduled for the upcoming version update in December 2025. Engineering staff also maintain reference access to IPC-A-600: Acceptability of Printed Boards and IPC 7711/7721: Rework, Modification, and Repair of Electronic Assemblies, with certified specialists leading critical rework operations. Vexos ensures that every product reflects the same commitment to quality, reliability, and craftsmanship, no matter where it is manufactured.

Vexos' engagement with the Global Electronics Association has further strengthened its capabilities. Membership provided **access to a global network of leading electronics manufacturers, suppliers, and innovators, fostering collaboration on emerging technologies, regulatory trends, and supply chain strategies.** Through forums and working groups, teams share insights, benchmark practices, and adopt industry-leading approaches. Additionally, access to international standards, compliance frameworks, and technical resources has strengthened company's ability to maintain the highest levels of quality, sustainability, and operational efficiency across their global facilities

Peter Grimsdale, Senior Vice President and GM, Asia, VEXOS, emphasizes the impact of these initiatives:

Adhering to IPC standards is essential for ensuring quality, reliability, and innovation across the electronics manufacturing industry. Being part of the Global Electronics Association connects us to a network of leaders and best practices, helping us continuously improve, share knowledge, and uphold the highest standards for our customers worldwide

Through its Vietnam operations and active participation as association member, Vexos Vietnam Co. Ltd. demonstrates that global standards, skilled talent, and collaborative networks form the foundation of excellence in electronics manufacturing. Its journey illustrates how operational capability, precision, and a steadfast commitment to quality can create lasting value not just for the company, but for the global electronics community.

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