

Nikko-Rack: Japan's PCB Handling Technology for Global Manufacturers



As a solution partner supporting the operations of global manufacturers, NIX aims to expand the reach of “Nikko-rack™”—a high-quality printed circuit board rack—worldwide by leveraging its expertise in plastic material development and plastic product design and development. **BY DANIEL DE BOMFORD AND QUENTIN LANGE**

As global electronics manufacturing becomes more advanced, the small details within production lines carry greater weight. Printed circuit boards are becoming denser, more complex and more valuable, while SMT lines and EMS operations require higher levels of precision, ESD protection and reliability. For global manufacturers, PCB handling is a direct part of quality assurance.

NIX, INC., a Japanese specialist in plastic materials and product development, has built its business around that reality. Under the philosophy of “Nothing to Something,” President and CEO Kazuhide Aoki said the company has evolved from a subcontract manufacturer into an integrated solutions partner with expertise spanning proprietary materials, mechanical design, injection molding and production support. “Our objective is not simply to sell



products. It is to solve problems,” he said.

That approach is embodied in Nikko-Rack, NIX's flagship PCB rack solution. With more than 1,500,000 units shipped in Japan, Nikko-Rack reflects the company's focus on quality, ease of use and continuous improvement. Its ESD-compliant plastic materials

help protect sensitive boards, while its parallel sliding mechanism allows operators to adjust positioning quickly and accurately. These features are especially important as PCB assemblies become more sophisticated and costly to replace.

The product also shows why NIX's value extends beyond price. Nikko-Rack is the result of decades of accumulated knowledge in materials, design and manufacturing. By working closely with customers at production sites, NIX identifies challenges that may not be visible in specifications alone and turns them into practical improvements.

This same material-led thinking can be seen in NIXAM and ARINIX, functional plastic materials that add performance directly into resin.

ARINIX, developed from a customer challenge involving pest prevention, demonstrates how plastics can contribute to hygiene, safety and more sustainable operations when designed with a clear purpose.

As NIX expands overseas, Germany and France offer opportunities in high-specification automated manufacturing, while Mexico's growing role in North American supply chains creates demand across multiple product tiers. It approaches each market supporting safer, more reliable manufacturing behind the scenes and helping customers turn complex requirements into dependable solutions.



<https://en.nix.co.jp>

“Our objective is not only to respond to explicit requirements but also to uncover latent needs that customers themselves may not yet recognize.”

Kazuhide Aoki
President & CEO, NIX, INC.



NIX, INC.

