

# PRESS RELEASE

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## **Owens Design Unveils PR:IME™ — A Modular System Architecture to Fast-Track Lab to Fab Transition of Semiconductor Inspection & Metrology Technologies**

*New PR:IME™ Platform Accelerates Commercialization with a Scalable, Low-Risk Approach to Address Challenges in Advanced Packaging Applications*

FREMONT, Calif., April 15, 2025 – Owens Design today announced the launch of PR:IME™, a modular system architecture designed to accelerate the commercialization of innovative Inspection and Metrology (I&M) technologies. As the demand for Advanced Packaging surges, driven by the rise of artificial intelligence, gaps in inspection technology limit yield improvements in AI processor manufacturing. PR:IME™ provides a fast and low-risk pathway for emerging technologies to transition from lab to fab seamlessly, getting critical new technology to market faster.

### **Enabling a Plug-and-Play Solution for Semiconductor Equipment Innovation**

PR:IME™ accelerates the commercialization of cutting-edge Inspection and Metrology (I&M) technologies with a curated set of production-proven, fab-accepted equipment and software. Its modular system architecture enables rapid deployment, allowing semiconductor start-ups and OEMs to bring innovations to market with minimal development overhead.

With its plug-and-play design, PR:IME™ features standardized mechanical, electrical, and software interfaces, ensuring seamless integration while de-risking fab adoption. By eliminating the complexities of wafer handling, positioning, and alignment, PR:IME™ allows companies to focus on advancing core I&M capabilities without heavy system engineering. Fully SEMI-compliant and designed for 300mm and 200mm wafers, PR:IME™ delivers a production-ready solution for next-generation semiconductor technology innovations.

### **Democratizing Semiconductor Equipment Commercialization**

The commercialization of new I&M technologies has historically been dominated by a few industry leaders, requiring significant investment in infrastructure, compliance, and automation. PR:IME™ levels the playing field, empowering emerging technology-driven companies to compete without the burden of costly system development. By providing a pre-engineered platform, Owens Design empowers innovators to bring their solutions to market faster and more efficiently.

## **Bridging Innovation and Manufacturing with Proven Know-How**

Owens Design has harnessed its deep expertise in automation and semiconductor engineering to develop an industry-first modular system architecture that simplifies the integration and deployment of next-generation semiconductor equipment. PR:IME™ provides the system-level platform to bring customers' innovations to market faster without requiring deep knowledge of fab standards or manufacturing infrastructure.

### **About Owens Design**

For over 40 years, Owens Design has been a trusted engineering and manufacturing partner for the semiconductor and advanced automation industries. Specializing in custom equipment design and build services, Owens Design has played a critical role in developing cutting-edge solutions for semiconductors, energy, medical, and consumer electronics. Headquartered in Silicon Valley, the company serves clients across North America and Europe. Learn more at [owensdesign.com](https://www.owensdesign.com).

**For more information about PR:IME™, visit:**

<https://www.owensdesign.com/prime>

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