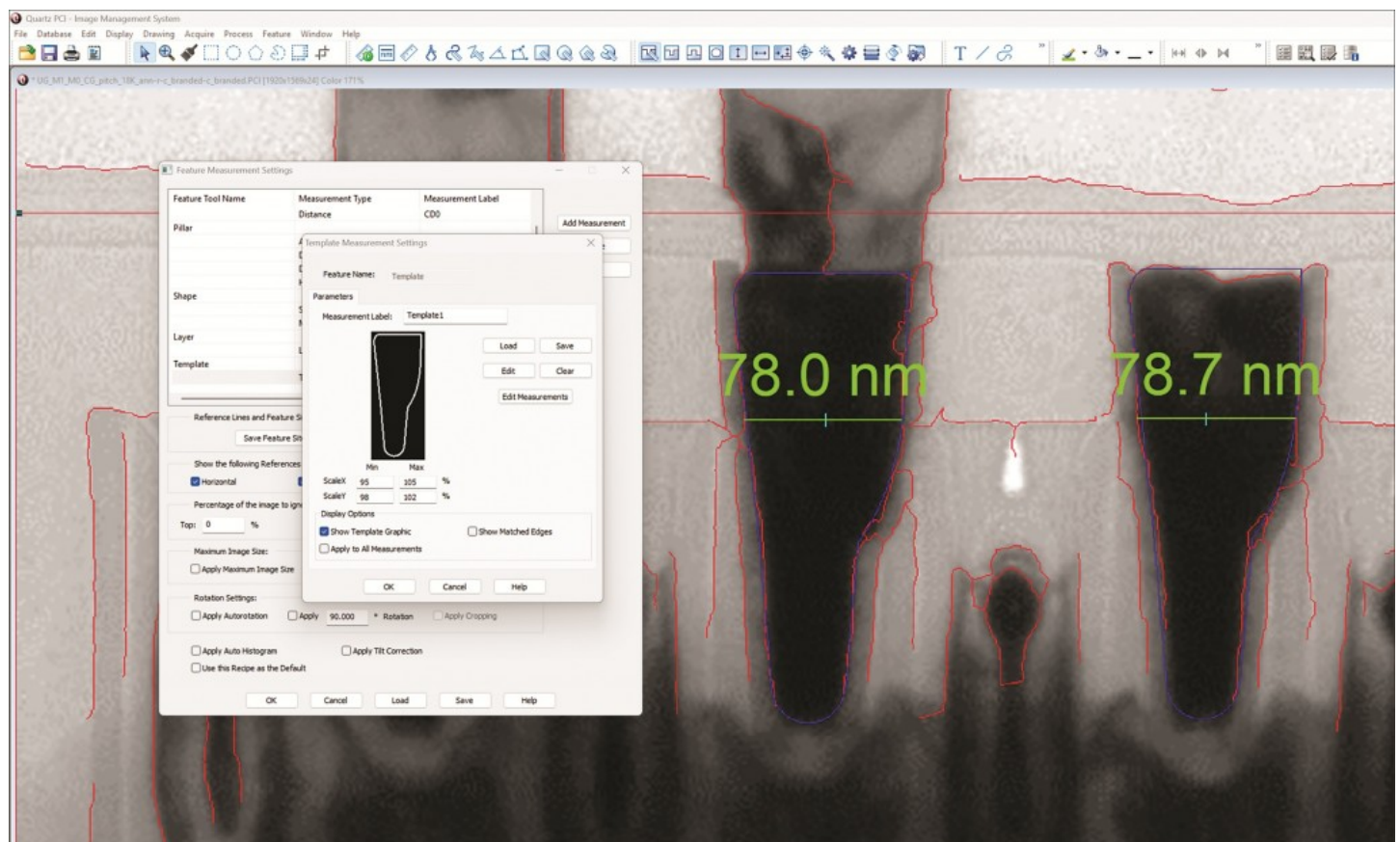


Quartz Imaging Announcing PCI 12 and PCI-AM 9 – Our Biggest Release Yet!



Vancouver, British Columbia Jul 28, 2025 ([Issuewire.com](https://www.issuewire.com)) - [Quartz Imaging](#) Launches [PCI-AM Version 9](#) Featuring Groundbreaking Template Matching for Automated Semiconductor Metrology

Revolutionizing Precision Measurements with AI-Powered Template Matching

Quartz Imaging Corporation, a global leader in microscopy and metrology software, is proud to announce the release of **PCI-AM Version 9**, the latest and most advanced edition of its powerful automated measurement solution. Building on a long history of innovation, this release introduces a game-changing capability: **AI-driven template matching**, setting a new benchmark for automation in microscope-based semiconductor metrology.

Reimagining Metrology Through Intelligent Template Matching

At the heart of PCI-AM Version 9 is its **new template matching engine**, which allows users to design templates using an intuitive graphical editor and to specify what measurements are desired. Once designed, the software uses machine learning to automatically **identify, align, and measure all instances of the template feature** within individual and batched microscope images—no manual intervention required. This dramatically reduces measurement time, improves repeatability, and ensures consistency among users.

PCI-AM Version 9 is engineered to meet the demanding requirements of today's semiconductor industry, where achieving **nanometer-scale measurement accuracy** is critical to process control and device validation. As semiconductor architectures evolve—featuring **increasingly intricate, multi-layered, and non-uniform geometries**—traditional measurement techniques struggle to keep pace. PCI-AM rises to the challenge with intelligent template matching that accommodates complex patterns and subtle structural variations, enabling **reliable, automated measurements across even the most advanced node designs**.

"This is one of the most important software releases in our company's history. The new template matching technology in PCI-AM Version 9 isn't just a feature—it's a **fundamental advancement for semiconductor metrology**," said Andrew Brown, President of Quartz Imaging Corporation. "As device geometries become more complex and tolerances tighter than ever, labs need tools that are not only accurate but intelligent. PCI-AM V9 delivers exactly that—**powerful automation that enables our customers to stay ahead in a rapidly evolving industry**."

More Than Just a Feature — A New Era of Automation

PCI-AM Version 9 is built on Quartz Imaging's robust PCI platform, delivering a full suite of image capture, annotation, processing, and reporting tools—now seamlessly integrated with next-generation automation.

Looking Ahead: Innovation Beyond the Lab

Quartz Imaging's commitment to innovation doesn't end with this release. The introduction of template matching in PCI-AM Version 9 signals a broader shift toward intelligent automation in metrology—one that empowers scientists and engineers to do more with less effort, in less time. Whether it's supporting next-generation chip design or accelerating breakthroughs in materials development, Quartz's solutions are engineered to scale with your ambitions.

By marrying deep domain expertise with emerging AI technologies, Quartz Imaging continues to deliver software that not only meets today's challenges but anticipates tomorrow's possibilities.

Contact Information

For product inquiries, live demonstrations, or technical consultations, reach out to:

Quartz Imaging Corporation

Email: sales2@quartzimaging.com

Web: www.semiconductormetrology.com

Contact information: Arno Joubert

Vice President, Sales

604-488-3911 x 109

ajoubert@quartzimaging.com

Media Contact

Arno Joubert

*****@quartzimaging.com

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