



Diamond Quanta Establishes 'Diamond Valley' Operations Center in Petaluma, California, Begins Buildout of Diamond Forge 1



Diamond Valley, Diamond Quanta's Petaluma operations and process development center. Petaluma, California.

New North Bay operations center begins buildout to support customer qualification, process integration, and Diamond Forge 1 deployment; first Petaluma-produced parts planned for CES 2027 debut.

October 7, 2026 PETALUMA, Calif. -- Diamond Quanta Inc., which is building manufacturing infrastructure to standardize semiconductor-compatible engineered diamond integration, today announced that it has established Diamond Valley, its new operations and process development center in Petaluma, California, and begun preparing the site for Diamond Forge 1, the company's planned pilot manufacturing and process integration environment.

The Petaluma site will serve as Diamond Quanta's primary California operations and process development center, with Diamond Forge 1 planned to add pilot manufacturing and process integration capability. The company's Mountain View location remains its headquarters.

Facility preparation is underway, including initial building work to support clean process environments, equipment installation, and future process operations, subject to applicable approvals.



The expansion follows Diamond Quanta's recent selection by HAX, SOSV's hard-tech venture program, and extends the company's commercialization work from technical validation toward customer qualification and manufacturing readiness.

At the center of the planned buildout is Diamond Forge 1, a pilot manufacturing and process integration environment being developed around the company's Adamantine Platform™.

Diamond Forge 1 is being designed to bring together diamond synthesis, surface preparation, process integration, metrology, and related manufacturing capabilities required to support customer qualification programs and prepare Diamond Quanta processes for future larger-scale deployment.

"Securing the Petaluma facility matters because commercialization requires more than good materials science," said Adam Khan, Founder and Chief Executive Officer of Diamond Quanta. "It requires the infrastructure to repeatedly manufacture, measure, and qualify the technology with customers. Diamond Valley is where we are building that capability."

Diamond Quanta selected the name Diamond Valley as a reference to Petaluma and the North Bay's "Telecom Valley" history, when communications and networking companies helped build a significant regional technology and manufacturing cluster.

"Petaluma's Telecom Valley history showed that advanced technology and manufacturing can take root beyond the traditional boundaries of Silicon Valley," said Michael Pierantozzi, Co-Founder and Chief Operating Officer of Diamond Quanta. "Diamond Valley builds on that history as we establish the infrastructure to qualify and commercialize engineered diamond for semiconductor and optical applications."

"Innovation and manufacturing have long been part of Petaluma's economic story, and we're excited to see Diamond Quanta build on that legacy. With an entirely new advanced technology industry taking root here, and initial high-level jobs to start, plus room to grow, this investment is a great example of the economic opportunities we're working to create—quality jobs, new industries, and businesses that choose Petaluma as a place to launch and thrive," said Peggy Flynn, City Manager of the City of Petaluma.

"Diamond Quanta's investment is a strong example of the opportunity we see for Sonoma County and the North Bay to diversify our economy by attracting advanced technology and manufacturing companies that create skilled, high-quality jobs. Investments like this can help strengthen our economic resilience and create new opportunities for local workers and businesses for years to come," said Ethan Brown, Executive Director of the Sonoma County Economic Development Collaborative.

"Diamond Quanta's expansion in Petaluma reflects the strength of California's semiconductor and advanced manufacturing ecosystem. Companies building the infrastructure to move emerging technologies from technical validation toward customer qualification and manufacturing readiness help create skilled jobs while keeping innovation and commercialization growing here in California," said Emily Desai, Chief Deputy Director of the California Governor's Office of Business and Economic Development (GO-Biz).

Diamond Valley will complement Diamond Quanta's Silicon Valley headquarters and its engineering and commercialization work through HAX in Newark, New Jersey.

The Petaluma operation will support development and qualification of the Adamantine Platform™, which is designed to standardize engineered diamond integration for semiconductor manufacturing, including optical and thermal applications.

Initial work at Diamond Valley is focused on preparing the facility for clean process environments, equipment installation, metrology, customer qualification work, and integration of Diamond Quanta's first-generation manufacturing architecture.



As the buildout progresses, Diamond Forge 1 is expected to support customer qualification programs spanning engineered-diamond optical surfaces and diamond-enabled thermal interfaces for advanced semiconductor and packaging applications.

The facility will be brought online in phases as Diamond Quanta completes buildout, equipment installation, commissioning, and applicable permits and regulatory approvals.

Diamond Quanta also plans to showcase the first parts produced through its new Petaluma operation at CES 2027 in Las Vegas, January 6–9, 2027. The company will exhibit in Eureka Park at Booth 61850, where it plans to demonstrate applications of the Adamantine Platform™ spanning engineered-diamond optical surfaces and thermal interfaces for advanced semiconductor and packaging systems.

From Platform Validation to Customer Qualification

Diamond Valley provides the physical infrastructure to advance that work in California, including process development, customer qualification, and preparation for pilot manufacturing.

“Diamond Forge 1 is being designed around repeatability, integration, and customer qualification,” Khan said. “Those are the capabilities needed to move engineered diamond from technical validation toward practical manufacturing deployment.”

Diamond Quanta expects to provide additional updates on the Diamond Valley buildout and Diamond Forge 1 as facility preparation, equipment installation, and commissioning progress.

About Diamond Quanta

Diamond Quanta is building manufacturing infrastructure to standardize semiconductor-compatible engineered diamond integration through the Adamantine Platform™. The company combines proprietary interface engineering, scalable process technologies, and strategic manufacturing partnerships to enable engineered diamond integration within existing semiconductor manufacturing ecosystems. Diamond Quanta operates an IP-led, fab-light commercial model built around paid customer qualification, technology licensing, and recurring royalties with strategic manufacturing partners.

Diamond Quanta is headquartered in Silicon Valley, with expanded operations at Diamond Valley in Petaluma, California, and engineering and commercialization activities through HAX in Newark, New Jersey.

Media Contact

Diamond Quanta Inc.
Michael Pierantozzi
info@diamondquanta.com
<https://www.diamondquanta.com>

Forward-Looking Statements

This release contains forward-looking statements, including statements regarding facility buildout, equipment deployment, process integration, customer qualification, pilot manufacturing, planned CES 2027 demonstrations, and potential applications of Diamond Quanta’s technology. These statements are based on current expectations and are subject to technical, operational, regulatory, and market risks. Actual results may differ materially from those expressed or implied.