

FAB S and LAB S

Quantic PMI Begins New Era Serving Mission-Critical Programs



Quantic PMI (Planar Monolithics) is entering a new era of opportunity, combining the technology, products and market respect PMI has built over 33 years with the strategy, investment and culture of Quantic Electronics and its portfolio of companies. Formed in 1989 by Dr. Ashok Gorwara, PMI grew to become the classic RF/microwave business serving the defense market, supplying most any single-function component and multi-function module designed with planar microwave integrated circuits and MMICs. Quantic acquired the business from Gorwara in March 2021, adding PMI to its portfolio of RF/microwave companies (Corry, Croven, MWD (Microwave Dynamics), TRM, Wenzel and X-Microwave).

During its long history, PMI developed an extensive portfolio of solid-state products, creating a catalog of more than 4000 off-the-shelf items available from Quantic PMI or one of its distributors. PMI's core products are logarithmic amplifiers in various configurations, solid-state switches, low noise amplifiers, filters and switch-filter banks, limiters, attenuators and phase shifters, covering applications from DC to 67 GHz. As most of its business supports aerospace and defense, both U.S. and allies, all products are designed and built to perform and survive on mission-critical platforms. The company is certified to ISO9001:2015, ITAR registered and can work on sensitive U.S. Department of Defense contracts.

Quantic PMI has two design and manufacturing locations. Headquartered in Frederick, Maryland, PMI recently consolidated operations into a new 20,000 square foot facility that includes: 4000 square feet dedicated to R&D; a 7500-square-foot class clean room with ESD flooring for hybrid assembly and RF testing; and space for in-house environmental stress screening, a machine shop and painting. Each test bench within the facility has liquid

CO₂ for testing over temperature. A secondary component manufacturing facility located in El Dorado Hills, California, has machining, assembly, testing and engineering in a 5100-square-foot facility.

Although Quantic PMI operates as an independent business, being part of Quantic's portfolio brings synergies and additional opportunities to grow. Sales teams across Quantic's companies are collaborating to cross-pollinate their respective customer relationships and offer more products to fill a program's block diagram.

Another benefit of being a Quantic company has been the change in culture, conveyed in Quantic's three maxims: dream big, have fun and get "stuff" done. Quantic encourages an informal, "no ego" environment where team members are empowered and accountable. Although backed by private equity, Quantic is transparent about business goals and results. Every employee is a shareholder and receives financial rewards tied to company performance. This reinforces the emphasis on empowerment and accountability.

With a long list of opportunities in the sales funnel, Quantic PMI is positioned for growth. New programs tap its portfolio of RF/microwave components, whether single-function or integrated into complex subsystems. Other Quantic company products can be added when needed. In addition to its efficient layout, optimized for the manufacturing flow, the new facility in Frederick will support doubling production capacity.

Reflecting the expertise developed over decades, Quantic PMI will continue to build on its strong reputation, whether helping military programs solve product obsolescence challenges or designing products for new markets, like the constellations of satellites flying in low or medium Earth orbit. Indeed, it's a new era for Quantic PMI.

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