



News Release

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MCL Celebrates 50 Years of Excellence

Over the past 50 years, some things may have changed within MCL – products, technology, staff; however, at least three things will always remain the same, and that is the company’s commitment to achieving technical excellence, providing quality products, and assuring total customer satisfaction.

MCL was founded in 1961 as Microwave Cavity Laboratory, a design and manufacturing organization specializing in coaxial and waveguide components. In 1967, the company transitioned from components and designed and manufactured its first high power Klystron amplifier for the commercial SatCom market, followed by the TWT amplifier in 1973. Over the course of the next 25 years, MCL expanded its product line, along with its facility. The state-of-the-art, 124,000 square foot building became the perfect setting for the design and manufacturing of thousands of HPAs that can be found in SNG vehicles and earth stations all over the world. MCL has also been an integral HPA supplier for numerous U.S. Military programs, including HT/MT/SAM-T, LMST, and WIN-T JNN Trailer Program.

Overcome by success in the late 90s, MCL struggled to keep up with the demands of the SatCom market. In May 2000, MITEQ, Inc., a manufacturer of a complete line of high-performance microwave components and SatCom products, acquired MCL. Together with MITEQ, MCL has been able to accelerate new product development, enhance quality customer service, and increase our capabilities in the growing communications market. Today, MCL is recognized globally as being one of the top HPA suppliers in the world.

Through the years, MCL has witnessed much technological advancement in vacuum electronics, from high voltage insulation systems materials, to Transmission Wave Tube (TWT) progressions in both reliability and efficiency, to the birth of microprocessor control system. It has been an amazing journey watching the satellite industry mature around TWT technology and projecting into the future with higher power and higher frequency amplifiers. This can only be realized with the advancement achieved over the past two decades of vacuum electronics.

As MCL looks forward to the next 50 years, the company will continue to design and manufacture HPAs to meet the needs of our customers, while searching for new markets that utilize TWT technology.

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