

Machining Partner Scales Remote CNC & CMM Programming Capacity as CHIPS Act Reshoring Accelerates

On-demand programming support helps U.S. manufacturers clear bottlenecks in semiconductor, aerospace, and medical production driven by AI demand and CHIPS Act.

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With over \$640 billion in announced semiconductor supply chain investments since 2020 — including major CHIPS Act-supported fabs from TSMC in Arizona and Intel in Arizona and Ohio — American manufacturers are ramping up domestic production fast. The explosion in AI-driven demand for advanced chips is only accelerating this trend, creating urgent pressure on shops to deliver complex parts on tight schedules.



On-Demand CNC & CMM Programming

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New fabs and reshored programs are creating real surge in demand, but many shops don't want the HR headache, training costs, benefits, or insurance that come with full-time CNC or CMM programmers.”

Adis Bey, Founder

Machining Partner, registered in Albuquerque, New Mexico, is scaling its remote and contract programming capacity to help these shops overcome a persistent bottleneck: experienced CNC and CMM programmers. Many manufacturers have invested heavily in advanced machines but lack immediate access to senior-level programming expertise. This results in delayed first article reports, idle high-value equipment, missed delivery deadlines, and lost contracts. Programming backlogs turn expensive CNC and CMM assets into costly bottlenecks instead of productive assets, especially when new reshored work arrives faster than internal teams can handle.

Machining Partner provides offline support for complex 5-axis work in Mastercam, ESPRIT, and other major CAM systems, as well as PC-DMIS, ZEISS CALYPSO, and Mitutoyo MCOSMOS CMM

routines. The focus is on helping shops maximize their existing equipment by delivering ready-to-run programs tailored to their fixtures, tools, and quality procedures.

Key benefits include strong 5-axis simultaneous and curve machining with proper kinematic verification, offline CMM programming that integrates seamlessly with customer workflows, fixed-price quotes or retainers for predictable costs, fast response times with same-day scoping for urgent jobs, and secure handling for controlled work with on-site options when required.

This support directly addresses the real pain points shops face today: programmer shortages that slow production, the high cost and time of training new staff, and the overhead of benefits and insurance for full-time hires. Instead of waiting weeks for internal capacity, manufacturers get expert programming support exactly when needed — keeping machines running, first article inspections on schedule, and contracts moving forward without adding permanent headcount.

As reshoring and new fab ramp-ups continue across Arizona, Ohio, and other states, the ability to quickly scale programming capacity without the HR burden is becoming a critical competitive advantage. Machining Partner helps manufacturers turn their machine investments into actual output and profitability.

Services are available immediately. Manufacturers can securely upload models and prints for a same-day scope and pricing response.

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