Our cutting tools advantage

We design and manufacture tools with advanced geometries and tight tolerances that have a proven record of providing faster speeds and feeds, while generating consistent high-quality results for our end users.

We focus on producing high-precision cutting tools and instruments utilizing high-speed steel, cobalt, carbide, stainless steel, and other substrates. The high-quality work of our skilled associates, the strength of our brands, and the breadth of our product offering are points of pride for our organization.

Our unified approach brings industry expertise and leading-edge technology together with financial strength, capacity, and scalability. We offer our customers the synergies of consolidated resources to reduce manufacturing costs, optimize the performance of their tools, and mitigate supply chain risks. Our goal is to help revitalize American machining through cutting tool innovation that brings continuous improvements in design for manufacturability, prototyping, on-site application testing, program management, technical support, and customized services.
Productivity at the spindle

Our consolidated resources for cutting tool design, manufacturing, and supply chain management serve the advancement of precision machining for our customers. Cutting tool needs are comprehensively addressed, ranging from the provision of American-made, stocked, and inventoried tooling, to the development of customized tool programs — all available from one domestic cutting tool solutions resource.

Standard cutting tools

Our supply of standard cutting tools goes beyond industry-standard service and support. Ongoing investments in our collective capabilities assure comprehensive, rapid, and reliable cutting tool supply.

- Over 25,000 standard tools in stock and growing
- Custom services through ARCH Specials
- Expert technical assistance
- Indexable tool repairs
- Resharpening and grinding
Specials and custom tools

The ARCH Specials cutting tool program was established to help you capitalize on proven competitive advantages – backed by our uniquely consolidated focus on cutting tool innovation.

• Application-based engineering and consultancy
• Custom tools and combination tools
• Prototyping and performance testing
• Coolant, inserts, tool edge and chamfer point strategies
• Modified drill form, edge prepping and coating
• Advanced coating technologies
• Re-sharpening of radiuses and hone finishes
• Smartphone expedited tool repair cycle from quoting to delivery

Laser marking

Our laser marking systems and services are the proven way to bring cost efficiency to all areas of managed inventory, quality control, and distribution.

• Customized laser marking equipment
• Laser marking systems sales and support
• Complete systems and automated solutions
• Efficient naming, numbering, UID, branding, or barcoding
• Repeatable precision on most metals and materials
• Certified for medical applications
Cutting tool innovation starts with collaboration at the spindle

Collaboration at the spindle brings together ARCH engineers, manufacturing experts, and machinists to develop next-generation tool designs and find ways to evolve current tool designs. ARCH’s precision cutting tools and instruments group manufactures a complete range of tools for CNC turning, CNC milling, CNC grinding, centerless grinding, surface grinding, and a comprehensive set of secondary and finishing operations. We produce high-quality cutting tools and instruments for industrial, dental, and medical applications.
Who we serve

American manufacturing must compete in sectors that are vital to the world economy: among these medical, aerospace and defense, and the broader sectors in need of precision cutting tool solutions. Our strategy is to collectively invest in precision-machining technologies and related supply chain best practices that are unique to each of the customer segments we serve.

MEDICAL SOLUTIONS

We bring our medical customers the combined expertise of leading contract manufacturers specializing in precision-machined surgical instruments, implants, and one-of-a-kind devices as well as diagnostic equipment components. We support a wide range of product development for medical, surgical, orthopedic, and FDA-compliant applications.

AEROSPACE & DEFENSE

Our support for aerospace and defense manufacturing encompasses all areas of precision machining, ranging from critical part production to complete assemblies and related supply chain management. Trusted relationships built through years of reliable service are backed by the assurance of our collective capabilities, strengths, and scalability.

PRECISION COMPONENTS

OEMs, Tier I, and Tier II suppliers leverage our collective engineering and precision-machining expertise to optimize their success in specific tight-tolerance applications. Our engineering teams bring a competitive advantage to manufacturers in need of performance-optimized precision component machining and related supply chain improvements.

CUTTING TOOLS

Our cutting tool group works in close collaboration with our customers. Cutting tool needs are comprehensively addressed, ranging from the provision of American-made, stocked, and inventoried tooling to the development of customized tool solutions — all available from one domestic cutting tool solutions resource.

Learn more: archglobalprecision.com