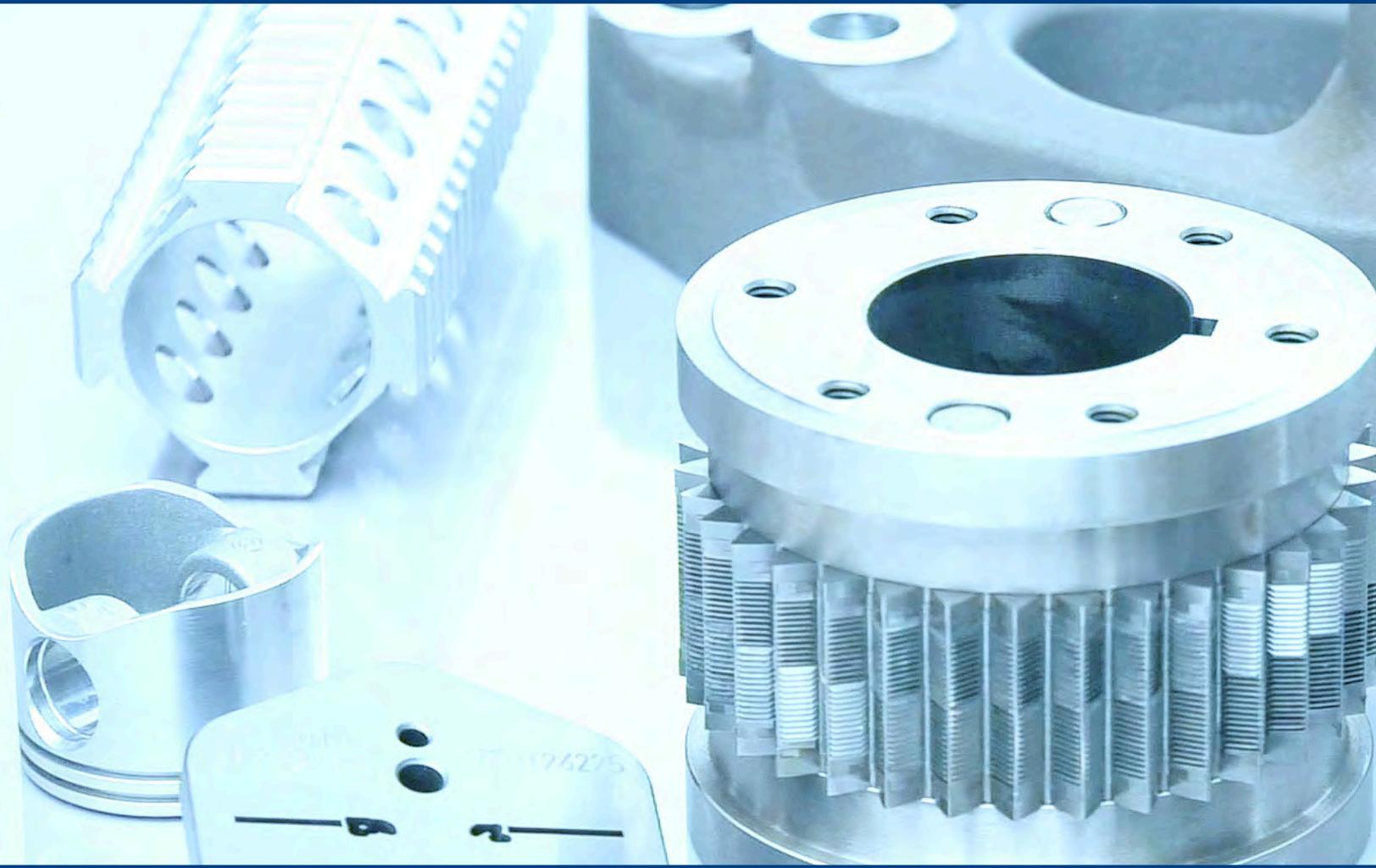


ARCHTM



Precision Machining Solutions

American Manufacturing, Serving the World

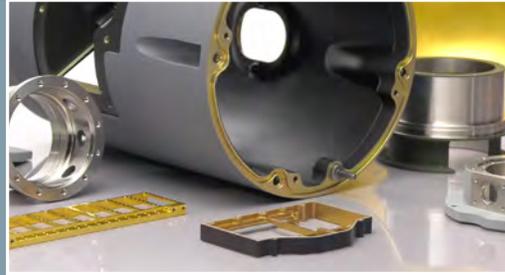
The ARCH advantage

ARCH manufactures high-quality, precision-machined components and cutting tools for a range of applications:

MEDICAL SOLUTIONS



AEROSPACE & DEFENSE



PRECISION COMPONENTS



CUTTING TOOLS



Our unified approach brings industry expertise and leading-edge technology together with financial strength, capacity, and scalability. This allows us to focus on solutions that range from critical part production to the delivery of subassemblies and products manufactured to meet the most stringent requirements. We offer our customers the synergies of consolidated resources to reduce manufacturing costs, optimize the performance of components and products, and mitigate supply chain risks. Our goal is to revitalize American machining with continuous improvements in design for manufacturability, prototyping, on-site application testing, program management, technical support, and customized services.

Whether it's precision-machined surgical instruments, aerospace struts and trunnions, or advanced semiconductor fabrication, ARCH provides a competitive advantage that propels our customers farther.

Knowledge and expertise

Our precision-machining experts are inspired and empowered to create better solutions in medical, aerospace and defense, and other precision components industries, such as oil and gas, power generation, semiconductor, and optics. From sketch to scale, we apply leading-edge industry expertise to any problem.



Quality control

- Acceptable quality limit (AQL) programs
- QMS, AS-9100 aerospace, ISO 13485 medical, TS-16949 automotive, ISO-9001
- International Traffic in Arms Regulations (ITAR)

Service and support

- Single point of contact
- Dedicated project manager
- Consolidated invoicing

Engineering and production

- CNC simulation for collaboration as well as verification
- Design cycle compression
- Over-tolerance cost avoidance





Process and technology

Unmatched operational excellence and progressive cyber-physical “industry 4.0” integration give our customers the advantage of interoperability, information transparency, and technical expertise. Our organization is made up of entrepreneurially spirited business leaders with a shared purpose, a shared culture: to make what’s possible.

Expanding technologies and continuous process improvement help us meet the precision-machining challenges of our customers for:

- Design-for-manufacturability
- Modeling parts, processes, and assemblies
- Productivity at the spindle
- New part prototyping
- Optimizing performance for cost containment
- Automation, pallet management, and robotics
- High-speed machining
- Complete product or component part design and manufacture

Capacity and scalability

We design and manufacture products with advanced geometries and tight tolerances that have a proven record of providing faster speeds and feeds, while consistently generating high results.

Our continuously improving manufacturing systems deliver:

- Financial stability
- Versatile throughput
- Calendar flexibility
- Single-source invoicing

Our people represent the complete range of precision-machining disciplines. It’s our cause. It helped us become large enough to address the growing needs of modern manufacturing but still small enough to actually care about our customers. We can:

- Easily scale throughput from 1 to 1,000,000, from sketch-to-scale, micro-to-massive
- Accommodate 3-, 4-, and 5-axis milling capacity
- Work with specialty and exotic metals, castings and forgings, and non-metals
- Provide speed and quality regardless of complexity or difficulty



Collaboration and precision machining are revitalizing American manufacturing

New part prototyping

What starts out as a brilliant idea becomes real with our prototype design, development, performance testing, and 3D printing processes where possible. Our customers can hold an advanced concept in their hand and follow it all the way through to production.

Design-for-manufacturability

The concurrent engineering of both the product and its manufacturing process ensures quicker time-to-market by shortening product development, containing development costs, and ensuring smoother transitions throughout the production life cycle.

Component supply chain

A diverse, scalable, and reliable supply chain is critical. We provide our customers a consolidated supply chain with turnkey sourcing and testing and certification programs that include raw material components and those that ship with the product.

Critical part production

Our advanced CNC machining and comprehensive secondary and finishing operations produce intricate, difficult-to-manufacture, and tight-tolerance critical parts for a range of customers who require capabilities beyond those of solitary machine shops.

Complete assembly

There's more to ARCH than component production. We engage the expertise of industry-leading designers to engineer the complete design, manufacture, and assembly of market-ready products with shortened timelines and lower total cost of production.

Productivity at the spindle

Cutting tool innovation starts with problem-solving at the spindle. Our consolidated resources for cutting tool design, manufacturing, and supply chain management serve the advancement of precision machining for our customers.

Industry expertise, precision component machining, and inspiration

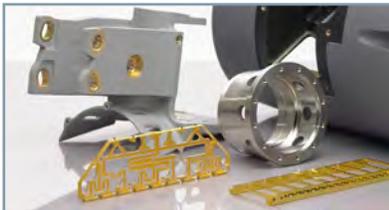
Who we serve

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