

Cutting-edge Tooling for
**DEFENSE
MACHINING**

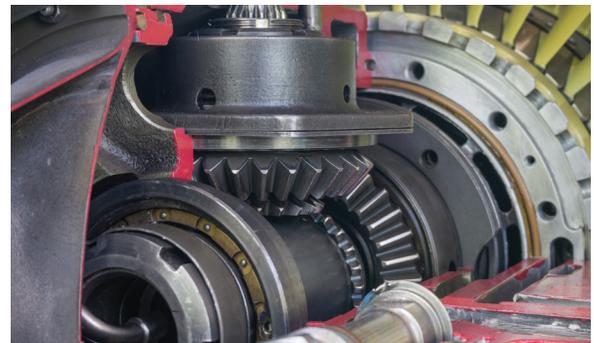


BENZ Inc. is the technological leader for the production of innovative tooling for the wood, plastics, composites and metalworking industries. We work with you to optimize your production process with extremely precise tooling that adds exceptional versatility and functionality to defense product manufacturing including:

- Missile components
- Aircraft / jet components
- Molds

How BENZ Benefits the Defense Industry

Advanced military systems are accuracy-critical. BENZ delivers German engineered tooling, process improvement and engineering solutions to government contractors to provide fittings and components for military agencies. In addition to accuracy, consistency and efficiency, BENZ sells tooling at competitive prices the industry demands. We base our customized tooling solutions for the defense industry on intensive research and development. We engineer them with stringent quality assurance to help you minimize production costs and maintain the highest possible level of precision, accuracy and aesthetic quality without sacrificing productivity or quality.



BENZ Defense Tooling Helps Make the Most of Materials

BENZ engineers defense tooling for CNC turning, milling and boring centers for processing the following materials:

- Titanium
- Brass
- Plastics
- Copper
- Carbon fiber
- Stainless steel
- Aluminum
- Cobalt chrome

LinTec Broaching Tools

Push Type Broaching



The BENZ LinA broaching system changes the rotary motion of the live tool turret into a linear motion for broach and spline machining on turning centers. The BENZ LinS broaching tool system is a one-of-a-kind system that enables programmers to broach splines, torx, hex and keyways on their machining centers.

Modular Quick Tool Change Systems

Add Speed and Flexibility to Your Process



The patented BENZ Solidfix® modular quick tool change system enables the user to change tools in 15 seconds and preset tools for precise, repeatable cuts. The alternative BENZ CAPTO™ quick tool change system is designed for heavy duty machining.

Live Tools

Tooling Systems for CNC Lathes



BENZ makes high-quality live tools for lathes and machining centers. Our durable X-line Crown Gear runs smoother and more quietly, with higher torque and RPMs but less heat in a compact design.

Angle Head Tooling

Tooling Systems for Machining Centers



BENZ fixed and adjustable Angle Heads are designed to minimize downtime, machine complex and inaccessible parts, optimize machining cycles, and reduce reposition work.

High-Speed Attachment Heads and Speed Increasers

Increase Spindle Speeds Up To 40,000 RPMs



Primarily designed for high-speed drilling, BENZ high-speed attachment heads and speed increasers are also suitable for precise machining and light mill working without any specific surface hardness. BENZ offers speed increasers in two different variations, Type SL and Type SLI.

Custom Tooling

Tooling Developed for Manufacturing Challenges



BENZ German-engineered tooling is known for high quality and innovation. Our expert North American sales engineers are experienced in solving unique metal manufacturing challenges with custom tooling options. All BENZ tooling is user-friendly, rigid and extremely precise.



Minimize Downtime with Reliable U.S. and Canadian Service

BENZ backs its proprietary tooling systems with quick, accurate service and repairs, preventative maintenance, and individual crash packages from trained, professional technicians.