ATI is a world-class specialty metals company with a vertically-integrated, global supply chain offering the depth of manufacturing capabilities necessary to provide customers with multiple production flow-paths and shortened supply chains. We operate production facilities, service centers and sales offices throughout the United States and in 16 other countries. Over 10,000 talented people use ATI's innovative technologies and systems to offer growing global markets a wide range of specialty metals.
MAXIMIZING PERFORMANCE THROUGH MATERIAL AND MANUFACTURING KNOW-HOW

Maximizing product performance relies upon the effective integration of design, materials and manufacturing. ATI believes that compromise at any step along this path should never have to be a consideration.

Maximizing product performance through material and manufacturing know-how is our driving force. Our goal is to eliminate compromise by opening new horizons in product design and performance through the application of advanced materials that may have been underutilized or simply did not exist in the past.

These materials include the newest and most advanced specialty alloys that ATI makes and understands — titanium, advanced, next-generation steel armors, nickel-based alloys and other specialty metals. Many of these mission-critical materials have been overlooked because many people did not understand their capacity to be effectively formed, machined, joined and assembled into highly-efficient value added components for many of today’s most demanding applications.

Harnessing the performance capabilities of ATI’s mission-critical materials begins with an understanding of alloys and microstructure – from melting and solidification through thermo-mechanical processing and through tungsten carbide technology that we transform into cutting tools for machining ATI’s materials. It relies upon our ability to apply this knowledge to form, machine, join and finish our metals in ways that have been thought too hard, too costly or just impossible until now.

FROM OUR CUSTOMERS...

“During the last twelve months, your company has maintained a 100% quality rating with a total receipt of 6,137 parts. We recognize that the rating you achieved is due to the commitment and dedication of your employees to providing compliant parts on a timely basis. Their efforts are appreciated and they should be complimented.”

- Prime Defense Contractor

“The finished component had no issues at all as it relates to fabrication and was delivered on time as promised. The quality of the workmanship was excellent and no there were no issues with matching the part up with the assembly.”

- Prime Defense Contractor

“I wanted to congratulate everyone at ATI for the excellent performance… We have had several comments from some of our “more experienced” personnel that these are some of the best weldments to ever cross our threshold. Thank you for all of the hard work and dedication that went into delivering with such a challenging schedule.”

- Prime Defense Contractor

ATI is dedicated to working with our customers to help maximize the value and performance of their products and significantly simplify and shorten their supply chains by offering a new generation of kits, sub-assemblies, assemblies and machined components capturing the full potential of ATI titanium and specialty metals.
MISSION CRITICAL METALLICS FOR DEFENSE

ATI

Extraction & Reduction
Melting
Manufacturing
Machining & Finishing
Fabrication

Integrated Capabilities

Product Breadth
- Titanium & Titanium Alloys
- Nickel-Based Alloys
- Stainless & Specialty Steels
- Cobalt-Based Alloys
- Tungsten
- Zirconium
- Niobium, Refractories
- Powder Metals
- Armor Materials

Technical Depth
- Alloy Development
- Microstructural Control
- New Materials
- Process Modeling
- Corrosion Engineering
- High-Temperature Metallurgy
- Surface Science
- Air Quenching and Super-Cooling
- Metallurgical & Corrosion Testing
- Ultrasonic Inspection
- Failure Analysis
- Tool & Die Making

Unsurpassed Manufacturing Capabilities
- Extraction & Reduction – Ti, Zr
- Melting – P/M/E/B/NAP – Ti
- WA/EAF/AOD/VIM/VSB – Ni/Steel
- Sheet, Plate, Extruded, Cast & Forged Products
- Rod, Bar, Tube & Wire
- Coil, Strip & Foil
- Precision Finishing
- Near-Net Shapes
- Atomization
- Hot Isostatic Pressing

Highly-Engineered Forged, Cast & Machined Components
- Forgings
- Ingot/Bar
- Ring & Shear Form
- Patented Super-Cooling
- Rough, Semi-Finished, Finished Machining
- Titanium Castings
- Large, Complex Investment Castings
- Computer-Controlled Processes
- Infiltrate Geometries & Cool-to-Features
- Correl Passageways
- Sculpted Surfaces
- Machining
- Horizontal & Vertical CNC Machining Centers
- Vertical Turret & Horizontal Lathes
- Coordinate Measuring Machines
- 5 – 400 ft. & up to 60-inch Diameter Capabilities
- Standard & Complex Shape

Fabricated Components & Capabilities
- Components
- Parts
- Sub Assemblies
- Assemblies
- Machined Components
- Capabilities
- Forming
- Joining
- Cutting
- Welding
- Machining

Images courtesy of the U.S. DoD
Quality
We understand the critical need for quality and traceability that characterizes the high-performance products our customers bring for fabrication. Our quality process is based on ATI's company-wide system of standardized and documented work procedures, and upon a rigorous process for auditing the work to ensure the repeatability and traceability of every step of every process.

Our goal is complete compliance with customer quality requirements and external standards.

Our work requires staff focused on these unique quality requirements. Our Technical Manager oversees our ISO 9001 program. We specialize in managing government contracts for complete accuracy and compliance.

Engineering
With advanced applications, engineering is a critical component of successful fabrication. It is also the factor that can take an innovative design from "What is" to "What if." This is where the resources of the ATI integrated supply chain set us apart from the rest.

As part of a fully integrated organization with deep materials knowledge that extends from primary metal to alloy technology, formed shapes and finished components, ATI Fabricated Components is part of an industry-leading engineering and R&D team. These engineers complement our own production and design engineering staff, who use advanced CAD tools including Unigraphics, Pro-E, Catia, Mastercam, SigmaNest and ProNest software to take your products from concept to production reality.

With this team at your service, you can confidently seek solutions that push the limits of advanced materials technology.

Design without compromise. Then bring it to us.