

The World's Leader in Flowforming

Flowforming is an advanced cold metal forming process that produces seamless, symmetrical, tubular shapes for precision components in military, aerospace, oil/gas and other applications. We have the world's most comprehensive capabilities and are experienced in more than 50 metals, including advanced alloys that are typically difficult to form.



Why ATI Flowform?

- Net-shape forming; reduces material waste
- Refined microstructure
- Cold worked properties
- Varying wall thicknesses; uniform and concentric
- Thin walls regardless of diameters
- Parts with large length to diameter ratios
- Economical alternative to machining
- Eliminate welds
- Leverages ATI's materials science and process capabilities to meet specific application needs

ATI Defense: Powering and Protecting

For over 45 years, ATI Flowform has been meeting the needs of the Defense industry. Through an extensive, integrated manufacturing base, ATI produces a wide range of military-grade titanium, nickel alloys, specialty steels, and other materials and components for defense contractors and other customers, powering and protecting in the air, on land, and in the sea.



Air

ATI meets the extreme challenges of advanced jet engines, airframes and vertical lift by delivering materials that improve weight and strength at the highest temperatures.



Sea

ATI's advanced nuclear propulsion materials and components enable the U.S. Navy to defeat our adversaries, deter aggression, and maintain freedom of the seas, 24/7.



Land

ATI's solutions offer high strength, light weight, and corrosion resistance, helping to make next-generation combat vehicles more survivable.



Space

Our products help to protect and defend democracy and freedom around the world. Our materials deliver global communications, navigation, and early warning against forces hostile to the U.S. and its allies.

Bring on Your Toughest Challenges

The world's essential industries rely on solutions made from advanced specialty materials.

We're solving our customers' challenges through use of our patented, proprietary flowforming machines as well as industry-leading cutting, hot forging, hydraulic pressing, tube bending, non-destructive testing and metallurgical testing capabilities. As a vertically integrated ATI business, we can offer our customers complete net-shape components made to final print.

Flowformed Materials

Nickel Alloys

ATI 625™, ATI 825™, ATI 718™, G3, ATI 925™, ATI 200™, ATI 400™, ATI 600™, ATI C-276™, C22, C22HS

Stainless Alloys

Austenitic, Ferritic, Super Duplex, Nitronic® 50, ATI 13-8 SuperTough®, Custom 465, Alloy 28, Datalloy 2®, ATI 15-5™, ATI 17-4™

Steel Alloys

T-250, ATI C-300™, ATI C-350™, GE1014, ATI 100™, Super CMV, 4340, D6AC

Titanium Alloys

CP Grades, Beta Type Alloys, ATI 6-4™, ATI 425®

Cobalt Alloys

ATI L-605™, MP35N, MP159, Aerex 350™

Refractory Alloys

ATI Zirconium 702™, ATI Zr2.5Nb™, Niobium RRR, ATI C103™

Capabilities

- 8 Flowform Machines, capable up to 23" diameter and 35' length
- 27 Machining Centers, capable up to 72" diameter and 46' length
- 5-Axis Machining, capable up to 30" diameter and 120" length
- 2 STS Drilling Machines, capable up to 20" diameter and 40' length
- 1000 Ton Forging Press
- NDT (Mag Particle, Hydro Testing)
- Destructive Testing (Tensile, Charpy, Hardness)

ATI Core Values

INTEGRITY

We do the right things the right way; it's the cornerstone of our relationships with every stakeholder.

SAFETY & SUSTAINABILITY

We are committed to a Zero Injury Culture, protecting our people and the planet through our products and the way we operate.

ACCOUNTABILITY

We do what we say we are going to do. We set a standard for excellence and hold ourselves and our team accountable for our actions, results and delivering value for our customers.

TEAMWORK & RESPECT

We seek and celebrate diverse views, capabilities and experiences to power our collaborative work environment.

INNOVATION

We embrace change and unique perspectives to create sustainable value, acting with urgency and taking calculated risks to learn and continuously improve.



ATI Flowform + Aerojet Rocketdyne A Case Study in Relentless Innovation

Aerojet Rocketdyne engaged ATI Flowform to manufacture the rocket motor case for the Guided Multiple Launch Rocket System (GMLRS). Proposing to eliminate all welding by integrating the dome and aft ends with the main rocket motor body, ATI was awarded the exclusive contract, which resulted in the following achievements:



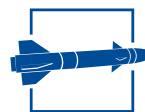
Delivered initial qualification prototypes three months ahead of schedule



Exceeded Aerojet's delivery targets by 50%



Continues to support the GMLRS program with On-Time Delivery and Quality ratings consistently exceeding 95%



Awarded additional contract to support the Mk72 Standard Missile Booster Rocket

ATI at a Glance



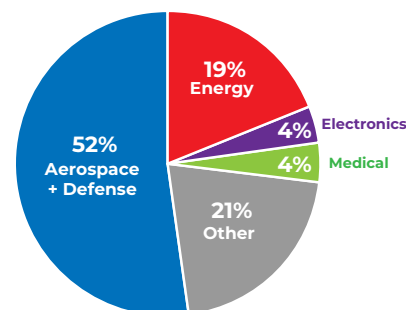
2019 Revenue
\$4.1 B



ATI is an international company with nearly 8,000 relentless innovators across 9 locations in Europe, 12 in Asia and more than 30 in the United States.



ATI touches more than 50% of the naturally occurring elements on the periodic table by managing in, managing out, or in our processes.



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