



# Solutions that Power and Protect

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.

## Solving the World's Challenges through Materials Science

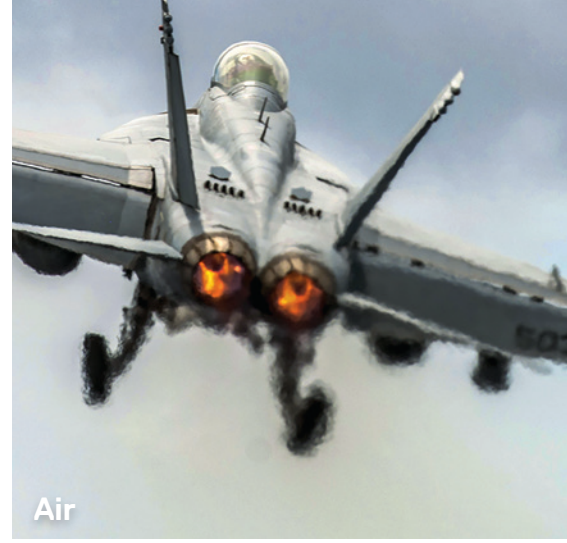
For decades, we've been meeting challenges for customers whose systems need to fly higher, dig deeper, stand stronger, and last longer – anywhere on, above, or below the earth. Within growing markets with high barriers to entry, our technically difficult products are made possible by ATI's materials science and unique production capabilities. This enables our customers' extraordinary end-product performance and earns us their long-term commitment.

## Introducing ATI's EBSM Capability

EBSM (Electron Beam Single Melt) titanium ensures the strength and performance that our customers depend on for their critical applications.

## Why EBSM for armor applications?

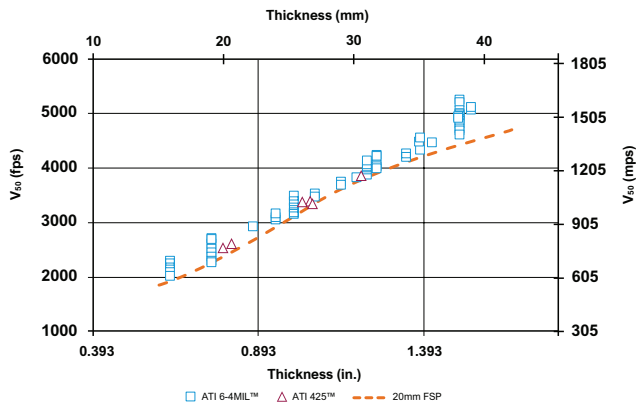
- **High-strength:** Upgrading to higher strength materials offers greater survivability, which protects military technology and American lives. Titanium alloys offer more protection per pound of material than traditional metals.
- **Lightweight:** Reducing the weight of ground vehicles enables them to carry additional mission-critical items like sensors, weapons, and fuel. Titanium is as strong as steel, the material traditionally used in tanks, but 45% lighter.
- **Corrosion resistance:** Ground vehicles that can withstand harsh elements and conditions protect investments in valuable sensors and operators. Titanium alloys have high corrosion resistance because a protective oxide film forms on the metal's surface when exposed to air and moisture.



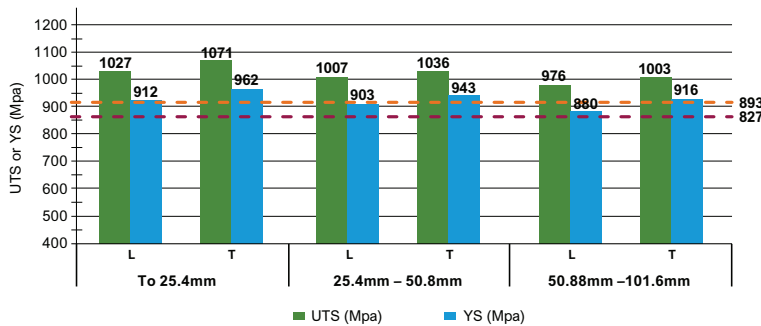
## ATI 6-4MIL™ (Ti-6Al-4V) Plate

- ATI produces ATI 6-4MIL™ (Ti-6Al-4V) plate for Armor to ASTM B-265 and MIL-DTL-46077G.
- ATI has melted over 6.8 million kg of this plate for various defense and industrial applications.
- ATI 6-4-MIL™ shows excellent capability to meet mechanical property limits for ASTM B-265 and MIL-DTL-46077G and other industry specifications.
- Excellent Ballistic performance of ATI 6-4-MIL™ meets various V50 Protection Ballistic Limits BL(P) of threats defined in MIL-DTL-46077G. Median values consistently exceed specified values and demonstrate excellent capability.
- ATI 6-4MIL™ is supplied in the annealed, grit blasted and pickled condition to standard industry flatness and dimensional tolerances. ATI can produce thicknesses from 4.76mm to 101.6mm and widths to 2m+ and lengths to 7m+ depending on thickness. Material can be provided as plate mill stock or cut blanks to meet customer requirements.

Comparison of Minimum V<sub>50</sub> Ballistic Limits (Protection Criteria) (BL(P)) of 20mm FSP vs. ATI 6-4MIL™ and ATI 425™



Typical Mechanical Properties of ATI 6-4-MIL™ Armor Plate (Tensile and Yield Strength)



## Bring on Your Toughest Challenges

The world's essential industries rely on solutions made from advanced specialty materials. We're solving our customers' toughest challenges through materials science. ATI EBSM delivers an unrivaled combination of quality, proven to perform material, lead time and cost.

### Product Forms



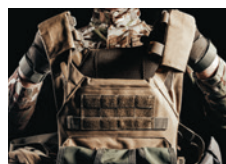
Underbelly armor kits



Turret armor



Main vehicle armor



Body armor

## ATI Core Values

### Integrity

We do the right things the right way; it's the cornerstone of our relationship 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.

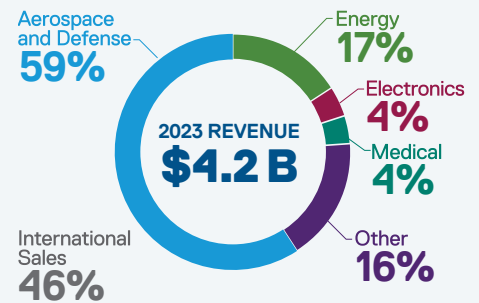
### Teamwork & Respect

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 at a Glance



ATI is an international company with **more than 6,000 employees** across nearly 20 locations in Europe and 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 through our processes.