
ADDMAN
The Future of Military and Defense Technology: Advancements Beyond Expectations

The Full Solution

Whether you're aiming to achieve air superiority or developing the next generation of defense systems, ADDMAN is your trusted partner for success in the world of military and defense. As leaders in comprehensive manufacturing solutions for hypersonic vehicles and weapons, we're already playing a key role in enabling the continued dominance of our armed forces. From advanced hypersonic missile technology to state-of-the-art reconnaissance vehicles components, our cutting-edge technologies make it possible to achieve your goals in military and defense exploration. Let ADDMAN take your military and defense project to the next level!

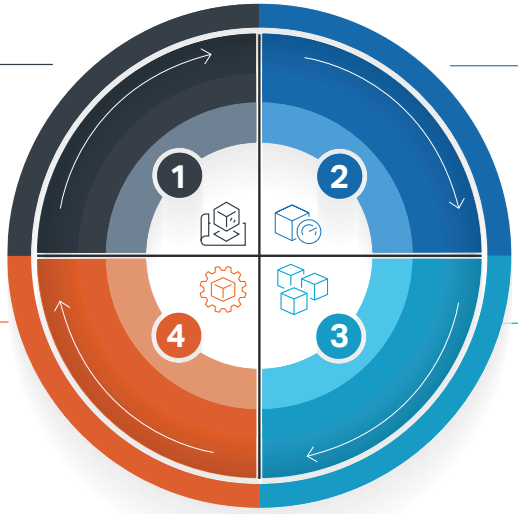
Any part. Any volume. Every step of the way.

1 Design and Prototyping

We offer engineering consulting and rapid prototyping services. Our mission is to help you accelerate your manufacturing and make the impossible possible.

2 Initial Production

Our polymer and metal additive manufacturing operations support low-rate production runs. We produce lighter, stronger, and faster parts through AM using state-of-the-art technologies.



4 Product End-of-Life

Metal and polymer additive manufacturing are attractive strategies for your aftermarket parts. In addition, it can quickly produce replacement components without digitizing the original files.

3 High-Volume Production

Our injection molding and CNC machining output are known for their durability, high production speeds, and high-volume capacity. We also maintain a full suite of processing and finishing capabilities.

ADDMAN's Advanced Processes and Skilled Team: The Key to High-Quality Defense Products

Additive manufacturing with ADDMAN is the game-changing technology that can make it possible to stay ahead in defense and exploration technologies by rethinking how we design and build critical products such as combat planes, hypersonic vehicles, missiles, and high-temperature parts. Our tailored solutions, skilled team, and advanced processes reduce lead times, increase productivity, and enhance supply chain flexibility.

We are a reliable ally for any organization looking to upgrade their defense manufacturing capabilities. Our manufacturing services are designed to provide end-to-end solutions, from design to full-scale production. Let us assist you in reimagining your defense manufacturing approach and staying ahead of the curve.

CAPABILITIES

In the space industry, manufacturing complex parts in low volumes is the norm. ADDMAN offers a comprehensive range of manufacturing services backed by cutting-edge technology and a team of experts who prioritize quality, precision, and efficiency. From the development of refractory metal thrusters and nozzles to precision machining of the toughest materials, we offer a complete range of services that enable you to launch assets into orbit, propel them, and protect them while traveling at hypersonic speeds.

CERTIFICATIONS

- ITAR Registered
- AS9100
- ISO 13485
- ISO 50001
- ISO 9001
- ISO 14001
- ISO Class 8 Clean Room

Additive Manufacturing

Our additive manufacturing services use cutting-edge technologies to produce high-quality components with exceptional accuracy and precision. From metal to polymer we can produce functional prototypes, low-volume production parts, and bespoke designs.

METAL

- Titanium
- Aluminum
- Inconel 718
- Niobium
- Haynes 230
- GRCop42

POLYMER

- Ultem
- PEEK
- PEI
- TPU

Traditional Manufacturing

ADDMAN customers utilize traditional manufacturing services like CNC machining and injection molding, to receive high-precision, complex parts for various commercial space applications.

CNC

- Aluminum
- Copper
- Inconel
- Tungsten
- Titanium
- Stainless Steels

INJECTION MOLDING

- Thermoplastics
- Nylons
- Polycarbonate
- Bioresins
- Isoplast™
- EcoMass™

Applications

- In-Space Propulsion Elements
- Satellite Positioning Control & Tug
- RCS (Reaction Control System)
- Lander descent/ascent, abort/escape, and re-entry
- Thermal Protection Systems (TPS) for Re-Entry
- Aero Engine Components (such as those used in rockets and spacecraft)
- Regen Rocket Engines (used in rocket propulsion systems)

Concept 3D Printed

Cleared For Takeoff: Hypersonic Leading Edge

We provide advanced refractory alloys and unique geometries for hypersonic and space flight applications. Our 3D-printed Nb C103 refractory thrusters have proven effective in space, featuring a high mach leading edge with integrated cooling. Our offerings include a variable density mesh with embedded internal structures, as well as high-quality, affordable thrusters, injectors, and hot gas manifolds.

- Durable and strong throughout the entire temperature range
- Significantly higher creep resistance than wrought metal
- Stable at temperatures beyond wrought material
- High damage tolerance resistance

** Complete material list available upon request.*

Defense Manufacturing Solutions

At ADDMAN, we are committed to excellence in every aspect of our business. We strive to provide the highest quality products and services, ensuring that your journey toward efficient and effective military and defense component production is a success.

If you're ready to take your manufacturing process to the next level, trust ADDMAN to help you achieve your goals.

Contact us today to learn more.

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ADDMAN®

POLYMER | ADVANCED METALS | PRECISION