



Crafting Innovation: Exploring Advanced CNC Machining Solutions



Aerospace



Military &
Defense



Commercial
Space



Medical



Industrial



Energy

Excellence at Your Fingertips

ADDMAN Precision is your one-stop shop for CNC manufacturing needs, leveraging the collective expertise of Domaille Engineering, Stanley Engineering, and Tech Manufacturing. Consolidating their knowledge, we are committed to providing unrivaled quality standards in the industry. Equipped with state-of-the-art machinery, our precision machining capabilities encompass 3-7-axis milling, turning centers, and wire EDM systems. Additionally, we offer a comprehensive suite of processing and finishing elements to meet your specific requirements. Experience a comprehensive

range of CNC machining services with ADDMAN Precision, where our skilled team excels at solving complex manufacturing challenges and delivering superior results for any part, regardless of volume. Trust us to guide you every step of the way towards your manufacturing success.

Discover more

about ADDMAN Precision: Your Complete Solution for CNC Manufacturing

 [Read the Article](#)

Our Advanced **Machining Arsenal**

With advanced milling capabilities ranging from 3 to 7-axis machines, our 5-axis machines offer a generous 20-cubic unit work envelope, while our largest 3-axis mill can handle parts up to 120 inches in length. We also provide invaluable design recommendations, including assistance in tolerance schemes, material and surface treatment selection, 3D modeling, part count reduction, component selection, risk mitigation support, and cost trade-offs.

Capabilities:

- Assembly: *Inserts, Pins, Complex Mechanical, Electrical, Top-level Complex Assembly*
- Band Saws
- CNC Horizontal
(42x24x20" envelope)
- CNC Lathes
- CNC Vertical
(120x40x 30" envelope)
- CNC Turning *(1.25" max dia.)*
- Drill Press
- EDM: *Drill, Sinker, Wire*
- FIP Machines
- Grinders: *Cylindrical, Jig, Surface (tolerances within 000050")*
- Milling *(30x20x20" envelope)*
- Radial Arm Drills
- Vacuum Brazing
(AWS C 3 7 Class A, B, & C specs)

Materials:

- Aluminum
- Acrylics
- Brass
- Bronze
- Copper
- Graphite
- Hastelloy
- Inconel
- Invar
- Kovar
- Magnesium
- Nickel
- Niobium
- Plastics
- Stainless Steel
- Tool Steel
- Titanium
- Tungsten

**Additional materials available upon request*

Post-Processing:

- Annealing
- Anodizing
- Bead Blasting
- Black Oxide
- Chemfilm
- Chromate Conversion
- Dry Film Lubricants
- Heat Treating
- Masking
- Non-Destructive Testing
- Passivation
- Penetrant Inspection
- Pickle and Oiling
- Plating
- Polishing
- Powder Coatings
- Primer / Paint Application
- Shot Peening

**Additional finishing options available upon request*


The ADDMAN Precision **Difference**

Friction Stir Welding:

To overcome distinctive thermal challenges, we employ an innovative method called Friction Stir Welding. This process involves the solid-state joining of metal, either in a lap or butt joint configuration. By moving a shouldered tool with a stir pin along the joint, we generate the necessary pressure and friction to mix and knead the material. Friction Stir Welding delivers

exceptional joint strength without the need for post weld heat treatment, which is typically required in fusion welding processes.

Learn more

 [Conformal Cooling Blog](#)

 [Cold Plates Blog](#)

Quality:

Our Quality team has the experience, capabilities, equipment, and software to meet the demanding quality requirements of our diverse customer base. Through the ISO 9001 framework, we strive for excellence throughout the design, prototype, and product life cycle of a part. We are proud to deliver high-quality parts to our customers.

- ITAR Compliant
- ISO 9001 / AS9100
- ISO 13485:2016
- ISO 14001:2004
- ISO 50001
- NIST 800-171 Compliance
- Exostar 3.55



AEROSPACE

Complex Mechanical Assembly

A 35-piece bill of material that consists of precision springs, custom manufactured rivets, stainless steel, aluminum, steel, heat treating and multiple coatings.

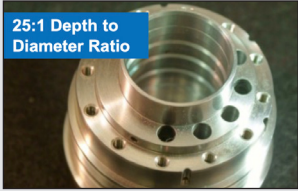


+/- .001 Tolerance

TECHNOLOGY

Fluid Management Component

Many complex intersecting features with precision tolerances, deburring and deep hole manufacturing. Internal features of this process-critical part include spiral lubrication rings and porting.




25:1 Depth to Diameter Ratio

DEFENSE

Aeroframe Structures

A long history of machining large and complex parts, such as panels, doors, and splice straps for one of the most well-known fighter jet models.

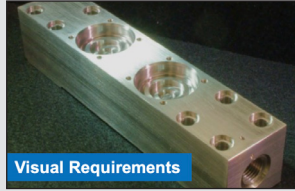


F-35

ENERGY

Fluid Management Component

Includes gun drilled hole in heat treated stainless steel, precision tolerance between tangent point of internal diameter and blind sensor hole, internal deburring and visual surface finish qualities.



Visual Requirements

One-Stop Manufacturing Solution: **Delivering Quality, Precision, and Efficiency**

ADDMAN Precision leads the way in CNC machining and manufacturing, delivering unmatched quality, precision, and efficiency.

As part of the ADDMAN Group, we also offer metal and polymer 3D printing, as well as injection molding. Trust in our expertise and cutting-edge technology to bring your ideas to life with precision and craftsmanship.

Contact us for more information and to get a quote for your production needs.

www.addmangroup.com

