

Advantech

Industries Inc.



SERVING OEMS WITH COMPLETE MANUFACTURING SOLUTIONS

SHEET METAL FABRICATION | WELDING | COMPLEX ASSEMBLY | CNC MACHINING



ABOUT ADVANTECH

FOUNDED IN 2002

FACTORY SIZE

250,000 SQFT

WORK FORCE

150+ EMPLOYEES

MAX PART SIZE

160" IN DIAMETER

MAX WEIGHT

60 TONS

CNC EQUIPMENT

150+ MACHINES

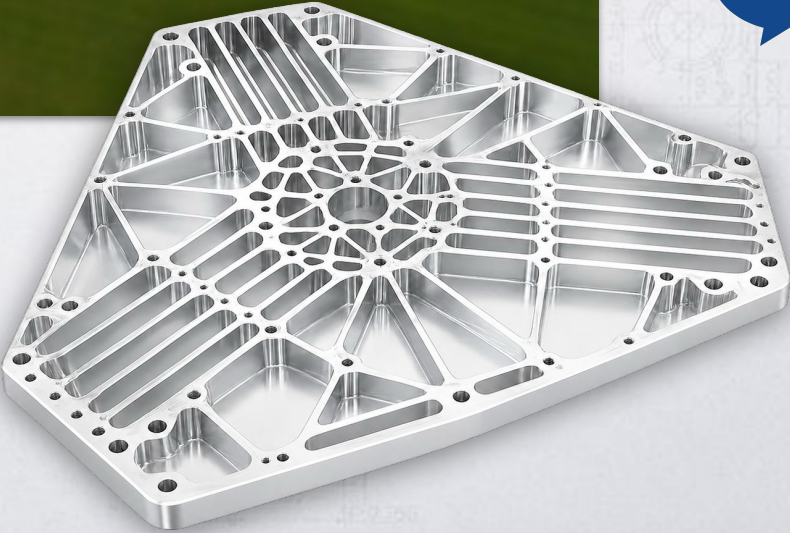
CMM INSPECTION

5 CMMs

FAMILY BUSINESS

3 GENERATIONS

SEE VIRTUAL TOUR!



American Welding Society

ACCREDITATIONS

CNC-MACHINING



CREATE ANY PART IMAGINABLE

Advantech offers your Original Equipment Manufacturer the ability to machine the most complex parts possible through a wide range of turning and milling CNC-machines. Our state-of-the-art operation effectively produces completely custom parts while reducing cycle times, lead times, and overall cost.

We can develop or work with existing models, download directly to machine, and overall bring your product to market faster and more efficiently than our competitors. Browse just a fraction of our capabilities below!

MACHINES: MAZAK, TOSHIBA, KURAKI, & OTHERS



QUICK TURN 350

For cylindrical parts such as **shafts, sleeves, hubs, rings** and **flanges**.

Starting at **4 inches** in diameter, up to **16.54 inches**, with improved spindle speed, and tool magazine capacity.



HCN-5000

Ideal for medium-to-large **housings, blocks, plates, manifolds** and other multi-sided parts.

Accommodates workpieces up to **31.5 inches** in diameter and **39.37 inches** high.



VARIAXIS

Built for complex parts with **curved surfaces, compound angles, deep pockets** and features across multiple faces.

Handles workpieces up to **39.37 inches** in diameter by **16.34 inches** high.



KBT-11

Built for large **housings, frames, weldments** and **deep-bores**.

Handles large parts **55.12** by **62.99 inches**, with extended travel for machining multiple sides and internal features.

FILE FORMATS

Import: ACIS, ASM, CAD, DDF, DWG, DXF, IAM, IDE, IDW, IGE, IGES, IGS, IPN, IPT, PAR, PRT, SAT, SLDASM, SLDDRW, SLDTPRT, STL, STEP, STE, STP VNC

Export: ACIS SAT, AP203, BMP, DWG, DWS, DWT, DXF, EDRAWING, EPS, IAM, IGE, IGES, JPEG, PAR, PDF, PRT, SAT, SLDPRT, STE, STEP, STP, TXT, VNC, X

SOFTWARE

MasterCam, SIEMENS NX, PC DMIS, AUTODESK INVENTOR



METAL TYPES

Aluminum, Steel, Titanium, Inconel, Brass, Iron, & Other Space-Age Metals

SHAPES

Bars, Plates, Cylinders, Tubes, Castings, Impellers, Rings, & More



MAX TABLE SIZE 100" x 160" INCHES

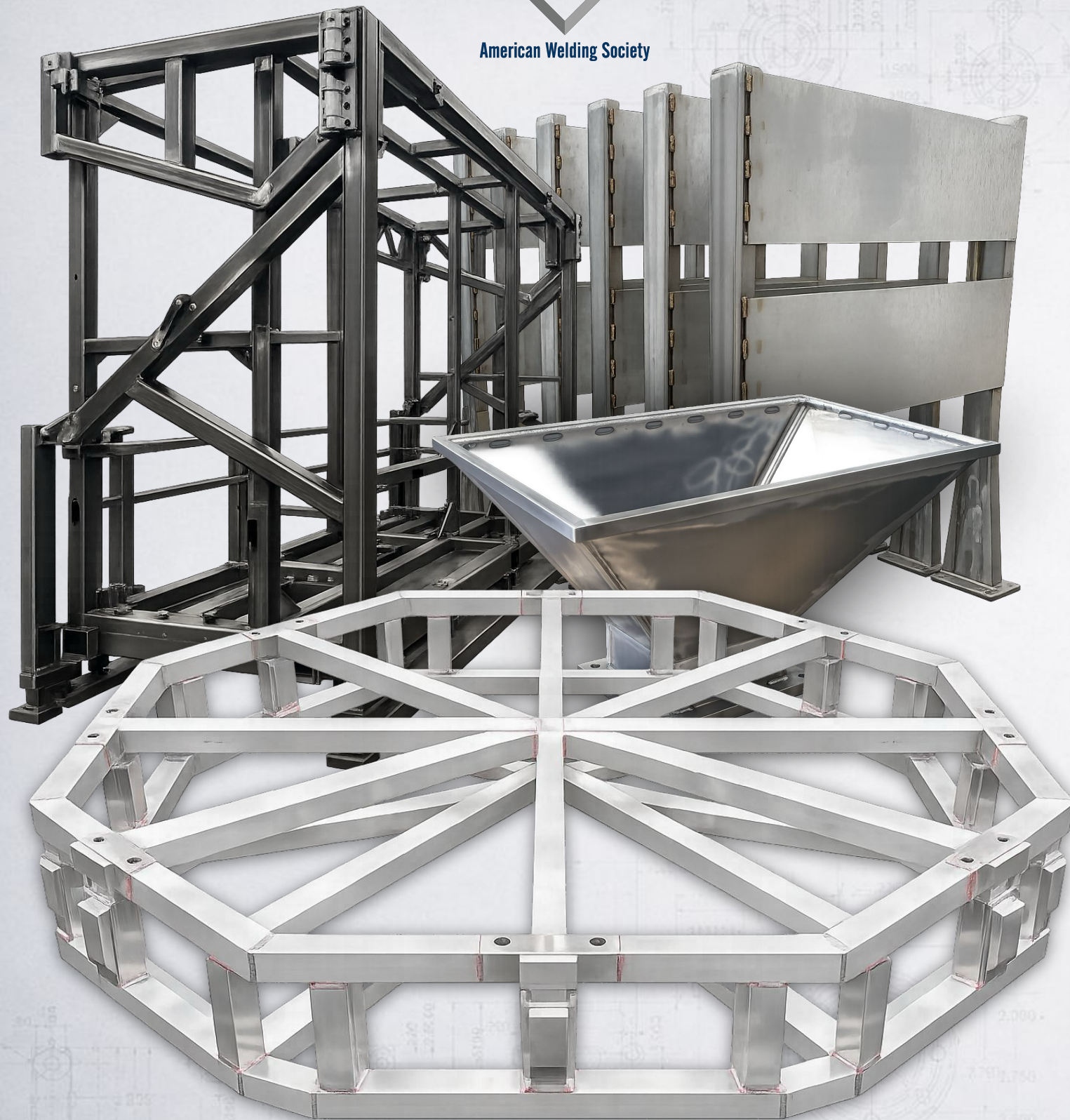
Need to go even bigger? We can handle extra large turning and milling through our sister company Precise Tool & Manufacturing, up to 18' feet in diameter. Visit precisetool.com to request a quote for extra large milling and turning.

CNC-MACHINING
IN ACTION!





American Welding Society



WELDMENT: Components, frames, chassis, weldments, enclosures, assemblies, fabricated structures and more.

WELDING

MORE THAN 10 OF THE MOST SOPHISTICATED WELDING BAYS ON THE EAST COAST UNITED STATES



PRECISION WELDING FOR OEM PRODUCTION

Advantech Industries has been a formidable force in the welding arena for over two decades. Our skilled team in Rochester NY uses expert manual welding techniques to deliver superior, repeatable welds.

DEMANDING INDUSTRIES

From aerospace, to defense, medical, power generation, and many others, Advantech is ready for your most high profile, high tolerance custom workpieces.



MULTIPLE CERTIFIED WELD INSPECTORS ON-SITE

MANUAL WELDING

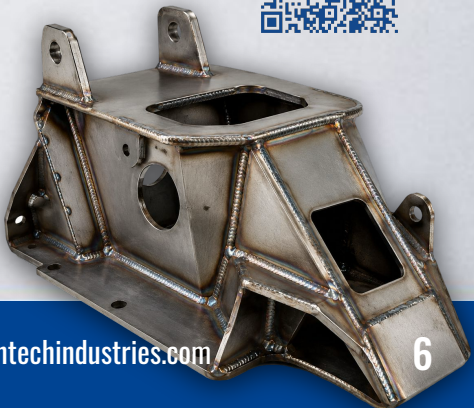
Our skilled manual welders support a wide range of weld types, including **MIG**, **TIG**, **arc**, and **spot welds**. Perfect for complex geometry, lower-volume, repair-style work, prototype builds, and other projects.



CERTIFIED WELDING

Our on-site Certified Welding INspectors help ensure weld quality, specification compliance, and process consistency across high volume projects that demand no defects.

SEE OUR WELDING DEPARTMENT!



QUALITY CONTROL LAB



ASSEMBLY DEPARTMENT



MACHINING & INSPECTING PARTS TO $\pm 0.001"$ TOLERANCE

Advantech's large inspection lab features multiple **Coordinate Measuring Machines**, precision leveled tables, and an experienced team focused on accuracy at every stage.

Our inspection environment supports **manufacturing components, fabricated parts, machined details, weldments, and assemblies** that require dependable dimensional review and documentation control.

MULTI-LAYER INSPECTION PROCESS

Our rigorous quality system is structured to catch issues early by consistently validating pieces at specific intervals, that confirm final requirements before parts are approved for shipping.



TOUR INSPECTION
DEPARTMENT!



ASSEMBLY FOR VARIOUS INDUSTRIES SUCH AS:

- ☒ DEFENSE
- ☒ AEROSPACE
- ☒ MEDICAL
- ☒ & OTHERS



CAPABILITIES

Advantech supports high quantity orders, hardware integration, finishing coordination, and complete production workflows for OEMs that need dependable output at scale.

We incorporate **fasteners, inserts, rivets**, and other assembly needs for a full-service **insertion, hardware, and finishing** installation.



PAINTING, PLATING, POWDER COATING, & MORE

Advantech coordinates finishing requirements such as **painting, plating, powder coating**, and related **surface treatments** so components can meet performance, durability, and appearance expectations.

WATCH OUR ASSEMBLY
IN ACTION!

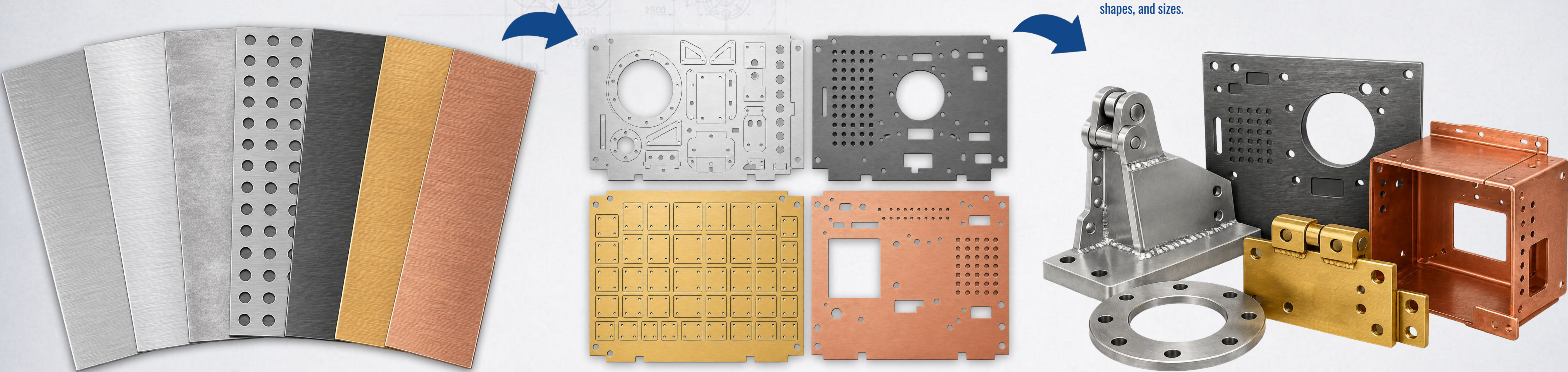


SHEET METAL FABRICATION SERVICES

PREMIER SHEET METAL FABRICATION SERVICES FOR ORIGINAL EQUIPMENT MANUFACTURERS
ACROSS THE EAST COAST UNITED STATES OF AMERICA

HAVE YOU CONSIDERED CREATING YOUR PARTS FROM SHEET METAL?

Sheet metal could be the most cost efficient and efficient way to produce your custom parts because of it's high structural integrity, minimal weight, and ability to be shaped into diverse shapes, and sizes.



50,000 SQFT OF ADDITIONAL MACHINING CAPABILITIES

In addition to our main building, we have a separate division that specializes in delivering custom CNC sheet metal fabrication services using modern equipment, practical engineering support, and skilled craftsmanship for a wide range of industries, metals, part sizes, and production volumes.



SHEET METAL SERVICES

- ✓ **ASSEMBLY**
- ✓ **BENDING / FORMING**
- ✓ **LASER CUTTING**
- ✓ **TURRET PUNCHING**
- ✓ **WATER JET CUTTING**

From flat blanks, to full assemblies, our team helps OEM buyers turn drawings, prototypes, and production requirements into dependable finished components.

CHOOSE ADVANTECH INDUSTRIES FOR YOUR SHEET METAL & FABRICATION WORK

A strong sheet metal program is not only about making a flat component. It's about choosing the right process, controlling distortion, forming consistently, managing assemblies, and delivering parts that fit the way your product is built.

For purchasing teams, engineers, production managers, and sourcing departments, the right supplier can reduce avoidable back-and-forth, simply scheduling, and help protect the quality of the finished parts.

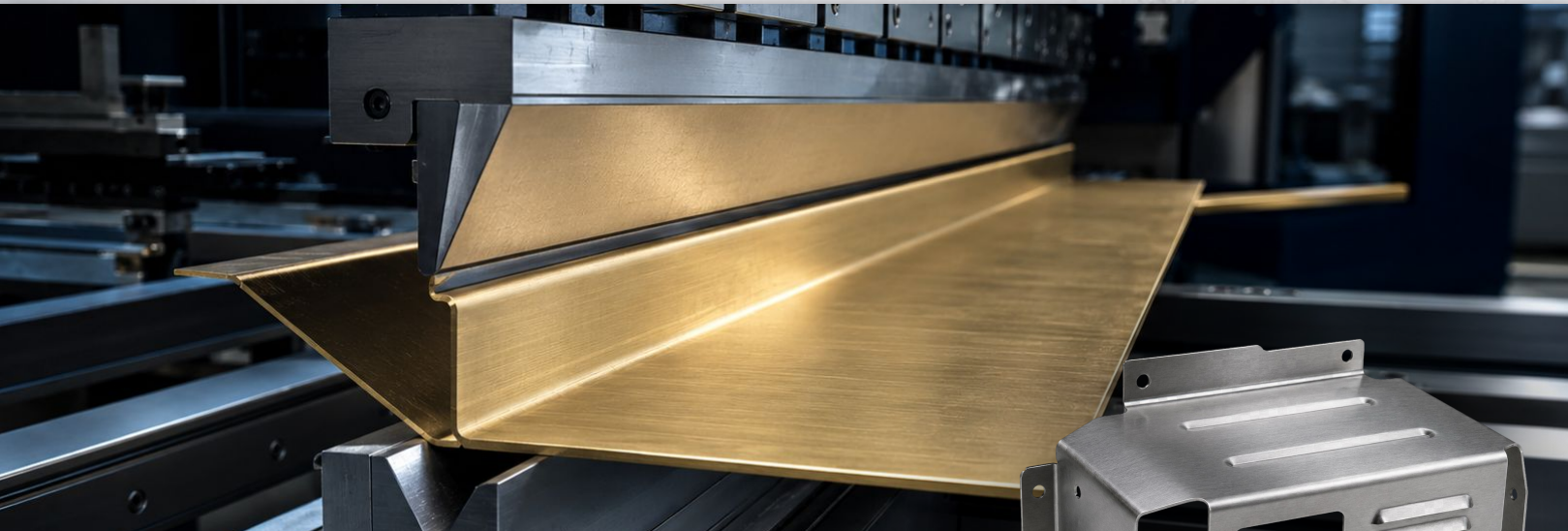
Advantech Industries supports customers who need practical manufacturing input, flexible fabrication capability, and a reliable team that understands how OEMs parts move from quote to production.



WATCH THIS SHEET METAL
PART GET FULLY ASSEMBLED!



BENDING & FORMING

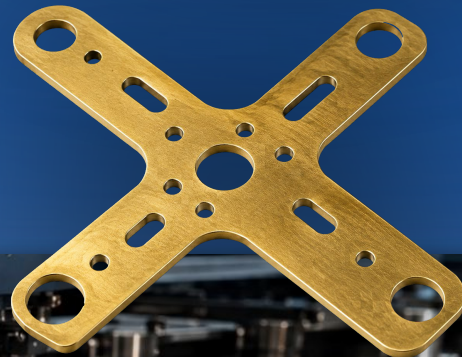


PRECISION BENDING

Sheet metal forming is a cornerstone of modern manufacturing. It transforms flat sheet stock into precise components used across automotive, aerospace, defense, medical, and other industries. From brackets, to clips, housings, panels, trays, and other structural components, our AMADA press brake CNC-machines can provide high-volume, flawless parts.

REPEATABLE FEATURES

With the right tooling, programming, and team, turret punching can offer OEMs exceptional components no matter how difficult the material, patterns, holes, slots, forms, grates, tabs, cutouts, or other complex features. This process can support aluminum, brass, steel, perforates grates, round details, enclosures, and other production ready or mechanical shapes.



TURRET PUNCHING

LASER CUTTING



BRING YOUR PARTS TO MARKET FASTER

We offer you the latest Amada fiber optic laser cutting technology, which delivers exceptional quality, accuracy, and repeatability for custom parts, 4-10X times faster than all other laser machines on the market. Perfect for high-volume, on-demand, housing or mechanical components.

FROM FLEXIBLE ALLOYS TO ARMOR PLATE

Water jet cutting offers you one of the most versatile ways to produce parts from tough materials. This cold-cut process sends an extremely high-pressure, high-precision stream of water and sand through even 5-inch thick armor plated steel, iron, and others metals.



WATER JET CUTTING

ACCREDITATIONS

GOVERNMENT, DEFENSE, & AEROSPACE READY

Advantech Industries Inc is fully qualified to support government, defense, and aerospace programs where precision, reliability, and security are paramount. Our facility, workforce, and processes are built to meet the most demanding requirements, ensuring that every project is handled with the highest level of care and accountability. By maintaining the systems and discipline necessary for critical industries, we provide customers the confidence that their components will be produced accurately, delivered on time, and safeguarded throughout the entire process.



ISO 9001 CERTIFICATION

Our ISO 9001-certified quality management system supports consistent processes, rigorous quality control, and continuous improvement—helping ensure every part and assembly meets customer requirements.



ITAR COMPLIANT

We are also fully ITAR compliant, giving us authorization to handle sensitive defense-related projects within strict U.S. government regulations. This compliance demonstrates our ability to protect controlled information and to manufacture components critical to national security.



American Welding Society

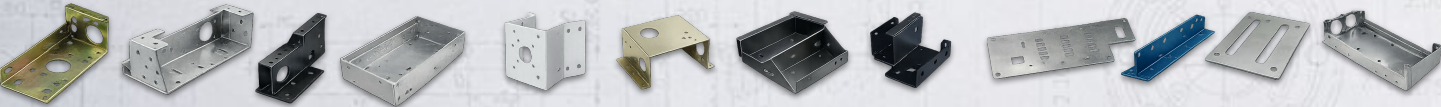
AMERICAN WELDING SOCIETY

Backed by American Welding Society (AWS) accreditation, our certified welding capabilities provide OEM customers with maximum reliability and field-tested durability. We apply AWS-level precision across every custom fabrication and complex assembly, ensuring strict adherence to your engineering specs.

Federal Acquisition Regulation & Defense Federal Acquisition Regulation Supplement

Beyond certifications, we integrate the Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS) flow-down provisions directly into our supplier agreements. This ensures that every level of our supply chain follows the same government-mandated standards for ethics, traceability, cybersecurity, and material compliance.

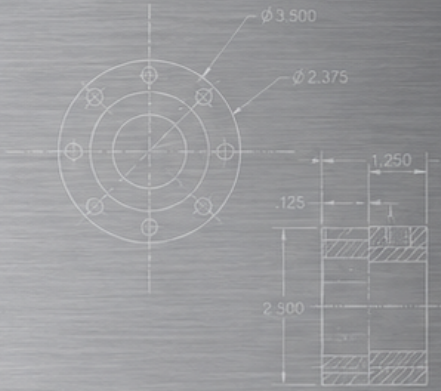
FOR MORE INFORMATION VISIT WWW.ADVANTECHINDUSTRIES.COM/ABOUT



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