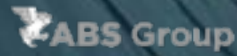




THE SHAPE OF ENDLESS POSSIBILITIES.



(888) 338-1522 / TaberExtrusions.com / info@taberextrusions.com

From the casthouse to finished product...It's all Taber Extrusions.

INFINITELY TABER

Who We Are

Since our inception in 1973, Taber has worked to earn an industry-leading reputation for working closely with our customers to problem solve through innovation and collaboration. From design to delivery, we've established notoriety for the highest level of quality and responsiveness, and proudly bring our legacy to the new generation.

Value is at the core of all we do, and Taber is proud to be a minority business enterprise which is AS9100, NADCAP, and ABS certified.

ALUMINUM EXTRUSIONS

Taber offers a full range of aluminum alloys including hard, soft, marine, and armor grade. Choose from 2xxx, 5xxx, 6xxx, 7xxx alloy families.

From micro-extrusions to housing the only rectangular container in North America which allows us to extrude super wide shapes: If you can dream it, we can shape it.

What We Do

We are more than just an extruder. A vertically integrated, solutions-oriented company offering highly engineered products to better serve our customers and develop new markets and products.

MBE Certified

Taber is a Minority Business Enterprise (MBE) supplier for aluminum extrusions.

Aluminum Extrusions

- Full Range of Alloys
- Unmatched Scope of Capabilities
- Custom Shapes with Design Assistance

Value Added Services

- Custom Supply Chain Solutions
- Machining
- Precision Cutting & Sawing
- Welding*
- Bending*
- Ultrasonic Testing
- Friction Stir-Welding
- Additional Services*

CAST HOUSE CAPABILITIES

Taber's In-House Aluminum Casting Solutions

Our state-of-the-art aluminum cast house allows us to manufacture aluminum billets for aerospace, marine, defense, and other specialized industries. The full range of aluminum alloys along with custom chemistries are available.

Billet diameters include:



10 x 28 7" 9" 11" 16" 20"
rectangular

Our casting capabilities and cast house information:

- Fully automated and recipe controlled DC casting for consistent billet quality
- Latest Degassing technology to assure internal metal integrity
- Homogenization center for controlled cycles to meet both hard and soft alloy requirements
- Complete alloy family casting capabilities include, 5xxx and 6xxx commercial and hard alloys
- On-site alloy certification, ultrasonic testing, and metallurgical lab testing

Ultra-Precision Extrusions[®]

Our ultra-precision[®] aluminum extrusions offer greater design flexibility and high-quality micro-extrusions at machined tolerances, reduced costs, Thinwall capability with excellent surface finishes.



COMPUTER



ELECTRONICS



AEROSPACE



MEDICAL



INDUSTRIAL



MILITARY

- Up to 0.500 square inch of the parts total cross sectional area
- Special cases to 0.750 square inch
- Cross section of the part must fit within a 3" circle
- Minimum wall thickness of 0.010 inches
- Standard tolerance of ± 0.003 inches
- Key characteristic tolerances of ± 0.001 inches
- Surface finish of 32 RMs or better



Friction Stir-Welding

The Latest in Aluminum Joining Techniques

Our friction stir-welding machine was designed to maximize the use of Taber's long and wide profiles. Ideal for metals such as aluminum, copper and other metal alloys, FSW is commonly used in the aerospace, rail, automotive, shipbuilding, transportation and marine industries. FSW makes possible very high-quality welds with minimal distortion. It is also a process that can be easily automated, making it an ideal solution for industrial use.

Unparalleled Friction Stir-Welding Capabilities

The ability to friction stir-weld large double sided thick profiles with minimal cycles means greater efficiency and more precise results.



Marine
/Ship Building



Defense



Heat
Sinks



Electrical
Motor
Housings



Commercial
and Industrial
Construction



Aerospace



Infrastructure



General
Distribution



ALUMINUM FABRICATION

Broad Machining Capabilities

Taber works alongside you to turn a concept into a working product by offering fully fabricated & machined components into the customer's assembly line/operation.



Our Fabrication Equipment:

CNC Machining

- Vertical Machining Center
- Haas VF-1
- Haas VF-4
- Haas VF-7
- Horizontal Machining Centers
- OKK
- Brother (5-axis machining centers w/pallet changers)
- Toyda (360 degree CNC machining center)

Precision Sawing

- Metlsaw CS3-T12
- BO Saws B-800
- Marvel Band Saw

Other Services

- MIG/TIG Welding
- Painting*
- Anodizing*
- Vibratory Deburring

* Outside service pro-

INDUSTRIES SERVED

Military & Defense

Providing critical material to the US Military, we ensure adherence to military specifications in a wide variety of applications on the Sea and Land, in the air and space. Taber's extrusions can be found in aircraft landing fields, helipad decking, superstructure supports, hull stiffeners, and base structures for military shelters and hangers.



Sporting Goods

Take aim with Taber's archery and firearm shapes, made from the same material used in military grade jets and space vehicles. Taber provides custom and standard profiles from which top quality sporting goods are created.



Aircraft & Aerospace

Taber offers a complete range of alloys in 2xxx, 6xxx, and 7xxx series. Offering in-house casting, ultra-precision® extrusions, fabrication including vertical/horizontal machining and friction stir welding, we are an AS9100 and NADCAP Heat Treat and Non-destructive approved supplier to flight critical applications.



Naval & Marine

The largest supplier of 5xxx series extrusions in the USA, our extrusions can be used in a wide variety of applications from armor-grade plate to oil rig crew boats & equipment. Taber's corrosion resistant/weldable extrusions are used on Naval vessels in decking, superstructure supports, and hull stiffeners.



Transportation & Infrastructure

XL aluminum shapes = less work for the end user. Cost reduction. Taber produces the full 6xxx series aluminum alloys in-house, and can be relied upon for transportation and infrastructure projects including bridges, decking/flooring, landing platforms, docks, and railing.



General Industry

Our in-house billet casting, full range of alloys with custom chemistries, extrusion capabilities from XL to micro-extrusions, and friction stir welding allows Taber is able to serve multiple industries including machinery & equipment, agricultural applications, and new product development.



TECHNOLOGY INTEGRATION

**A history of doing the hard things.
A future doing the BIG things.**

From billet casting to final product, Taber has the ability to enable your technology through the integration of technology into your extrusion. Big to small, simple to complex, friction stir-welding, and everything in between. It's all about the integration.

Taber offers a full range of hard and soft aluminum alloys.

ALLOYS & CHARACTERISTICS:

- 2xxx – high strength, excellent machinability
- 5xxx – moderate strength, excellent corrosion resistance, very good weldability, good formability
- 6xxx – most popular alloy family, moderate strength, good corrosion resistance, good machinability, good formability, good weldability
- 7xxx – very high strength, good machinability

Taber manufactures alloys and temper combinations used in a wide variety of applications including naval vessels and ballistic plating.

**LEGENDARY CAPABILITY.
WHERE ALUMINUM
INNOVATION WAS BORN.**

Visit TaberExtrusions.com

Call Us (888) 338-1522

sales@taberextrusions.com

