

### Custom Aluminum Fabrication

At Iowa Aluminum, we work hard to meet our clients' needs. That's why we offer custom aluminum fabrication for the automotive, commercial, sporting goods, and industrial sectors, and adhere to a wide range of industry standards. Working with 6000 series aluminum, we offer several fabrication methods, including:

- CNC Machining
- Countersinking;
- Cutting and drilling;
- Deburring;
- Mitering and dual mitering;
- Punching and slotting; and
- Tapping and tumbling.
- Whether you have quality problems, delivery problems, an order no one wants to extrude, or an order that you wish to have delivered in a short period of time, Iowa Aluminum can meet or exceed your special requirements.
- Since we have access to our own Die Shop, we can produce dies at a lower cost and samples sooner than most aluminum extruders can imagine.
- We extrude to Aluminum Association and ASTM Standards, however, requesting less than standard is always a negotiable factor.

With products ranging from automotive components to office furniture, we use only state-of the art equipment to enable us to accommodate a range of thicknesses, lengths, widths, and weight. We hold a +/- .005 cutting tolerance and a +/- .015 machining tolerance, and are happy to offer anodizing, painting, and powder coating as secondary services. For more information on how to get started, contact Iowa Aluminum.



### Specifications

<b>Industry Focus</b>	Automotive Commercial Construction Electrical Industrial Marine Sporting Goods Trucking
<b>Industry Standards</b>	ANSI - American National Standards Institute AS - Aerospace Industry Standard ASME - American Society of Mechanical Engineers ASTM - American Society for Testing and Materials ISO - International Organization for Standardization (Compliant) Mil-Spec - Military Specifications RoHS - Restriction Of Hazardous Substances (Compliant) The Aluminum Association
<b>Materials</b>	6000 Series Aluminum
	CNC Machining Countersinking Cutting Deburring

<b>Fabrication Method</b>	Drilling Dual Mitering Mitering Punching Slotting Tapping Tumbling
<b>Equipment</b>	<ul style="list-style-type: none"> <li>● MITSUI SEKI -VS3A CNC CENTER</li> <li>● Automatic Cut-Off Saw and Punching Unit</li> <li>● Cincinnati, 150-Ton Press Brake</li> <li>● Automatic Cut Off Saw- cut extrusions up to six-inch diameter in size and down to one-half inch in length and holding within +/- .005" tol</li> </ul>
<b>Max Material Thickness</b>	0.750 Inch 19.05 mm
<b>Max Length</b>	25 ft 7.62 m
<b>Max Width</b>	8 Inch 203.22 mm
<b>Max Weight</b>	65 lb
<b>Tolerance (+/-)</b>	± .005 (Cutting) ± .015 (Machining) ± .030 (Cutting over 6")
<b>Products</b>	Automotive Components Basketball Back Boards Doors Drafting Equipment Electrical File Cabinet Handles/Locking Mechanisms Frames Marine Office Furniture Partitions Quilting Machines Trailer Windows
<b>Additional Outside Services</b>	Anodizing <ul style="list-style-type: none"> <li>● Clear</li> <li>● Black</li> <li>● Brite Dip</li> </ul> Painting Powder Coating
<b>Production Volume</b>	Prototype to High Volume
<b>File Formats</b>	AutoCAD (DWG,DWZ) BMP - Bit Mapped Graphics DXF - Drawing Interchange Format, or Drawing Exchange Format GIF - Graphics Interchange Format JPG or JPEG - Joint Photographic Experts Group PDF - Portable Document Format TIFF - Tagged Image File Format