



# Alro Steel

Metals • Industrial Supplies • Plastics

SINCE  
1948

## Plate Laser Cutting

Produces Near Net or Finished products to your print

### BENEFITS

- Laser tolerances in stainless, aluminum and carbon plate up to 1", up to 1/4" in red metals
- Maximum plate capacity 80" X 159"
- High precision and repeatability on cut parts
- Produces near net or finished products to your print
- Minimal heat affected zone
- Minimal to no clean-up
- Etching (not offered on red metals) and "stitch-cutting" available
- Potential Secondary Processes:
  - Tapping from #10 - 3/4" and M5 - M12 available depending on size/thickness
  - Forming



### CAPABILITIES

Grades	Tolerances	Minimum Hole Sizes	Max Plate Capacity	Plate Laser Acceptable Materials
1" Carbon	1" = +/- .017"	3/4" dia on 1" thk	80" x 159"	Carbon = Yes
1" Stainless	1/2" = +/- .008"	9/16" dia on 3/4" thk		Stainless = Yes
1" Aluminum	1/4" and < = +/- .005"	1/4" dia on 1/2" thk		Aluminum = Yes
1/2" CF Bar		3/16" dia on 1/4" thk		Red Metals = Yes,
1/2" Tool & Jig				No etching
1/4" Red Metals				

This chart is a guideline only. For more specific information please contact your Alro representative.

**Alro has a fully integrated CAD Department to handle most file types:**

**Preferred Files:** .dxf .dwg

**Also Accepted:**

.iges .asm .prt .dft .par .psm .pwd .step .X\_B .X\_T .sat model .iam .stp .ipt .dgn .sldasm .sldprt .stl





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Integrity. Loyalty. Honesty. These principals have guided Alro Steel since our founding in 1948 by brothers, Al and Robert Glick. From a small garage in Jackson, Michigan, Alro Steel has grown to over 70 locations in 13 states. Alro distributes metals, industrial supplies and plastics. A wide variety of processing services are available including cut-to-size metals and plastics with next day delivery to over 50,000 customers in North America. Focused on exceeding our customers' expectations, we build relationships with all our customers, large and small.

## METALS & SHAPES

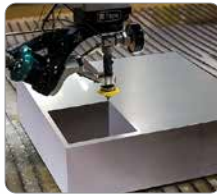
	Bar	Pipe & Tube	Plate & Sheet	Structural	Grating & Exp. Metal
<b>Alloy</b>	●	●	●		
<b>Aluminum</b>	●	●	●	●	●
<b>Brass</b>	●		●		
<b>Bronze</b>	●	●			
<b>Carbon Steel</b>	●	●	●	●	●
<b>Cast Iron</b>	●	●			
<b>Copper</b>	●	●	●		
<b>Stainless Steel</b>	●	●	●	●	●
<b>Tool Steel</b>	●		●		



## METALS PROCESSING



Precision Plate and Structural Saw Cutting



Waterjet Cutting



Oxy-Fuel Cutting



Plasma Cutting



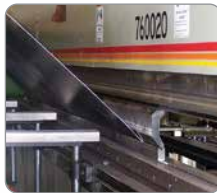
Plate Laser Cutting



6-Axis Laser Cutting



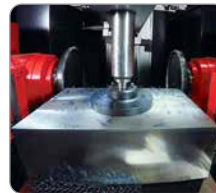
Shearing



Press Brake Bending & Forming



Tube Cutting and Chamfering



Precision Milling and Squaring



Plate Grinding



Thermal Processing

## ALRO ONLINE STORE



alro.com

Your One Stop Shop for Metals, Industrial Supplies & Plastics

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