

ALUMINUM

**IF ALUMINUM IS YOUR
NEED, WE ARE YOUR
CHOICE.**



**EARLE M. JORGENSEN
COMPANY**

Making a material difference



ALUMINUM

EMJ is THE choice for aluminum—offering traditional to advanced processing services, as well as innovative metal solutions for commercial and industrial applications. We provide superior quality products at competitive pricing, backed by a team of leading technical sales experts. With all of our material stocked to industry specifications, we have the aluminum products to meet every customer's need, delivered with own fleet of trucks. On time. Every time. At EMJ, adding to your success is how we measure ours.

INDUSTRIES AND APPLICATIONS



CONSTRUCTION



AUTOMOTIVE



ARCHITECTURE



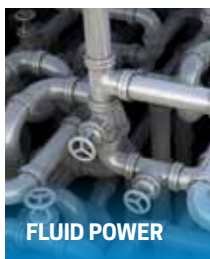
MARINE



ELECTRIC



MINING



FLUID POWER



AEROSPACE



FORESTRY



INDUSTRIAL EQUIPMENT
& MANUFACTURING

In stock and available by custom mill order, Aluminum Tube & Pipe solutions come in all shapes and sizes.

GRADES:

Aluminum Tube & Pipe: Drawn, Extruded, Seamless, Air Cylinder Quality Tubing – Hard Coat Anodized ID, and structural: 1100 / 2024 / 3003 / 5052 / 5086 / 6061 / 6063 / 7075

Extruded and Seamless Pipe 6061-T6, Sched 5 to Sched 160

Round, square, rectangle – all sizes, shapes & walls, round and square corners.

Aluminum Bar: Extruded, Drawn, Round, Square, Hex Alloys: 2011 / 2017 / 2024 / 6061 / 6262 / 6020 / 6013 / 7075

Flat: 6063 / 6061 / 2024 / 7075

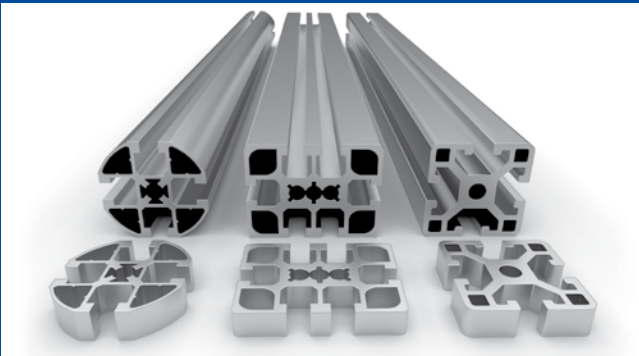
*Other grades and shapes available through **customized Mill Orders**



Alloy	Characteristics	Uses
2011	Fair machinability and mechanical properties, very good freecutting properties	Screw machine products, tube fittings, pipe stems, valves
2017	More strength than 2011, good workability and corrosion resistance, fair machinability	Screw machine, rivets, aircraft components, fasteners
2024	High strength, good formability and workability, good corrosion resistance, good brazability and weldability	Aircraft parts, truck wheels, scientific instruments, veterinary and medical (orthopedic)
6061	Best versatility of all heat-treatable alloys, fair formability and high resistance to corrosion, mid strength relative to 2XXX or 7XXX Series	Big vehicle bodies, marine, transmission towers, chemical equipment, paper
6063	Excellent corrosion resistance, mid strength, good natural finish	Agriculture (irrigation), store fronts, pipe railing, furniture
6101	Superior electrical and thermal conductivity, used for electrical conductors	Bus conductors
6262	Superior machinability, fair resistance to corrosion, readily welded, good finishing characteristics	Screw machines, camera parts, fittings, nuts, valves
7075	One of the strongest and hardest alloys available, good machinability, fair corrosion resistance, excellent finishing characteristics	Aircraft, ordinance, keys, small gears

Aluminum Extrusions

EMJ offers a full range of aluminum extrusions in standard shapes & sizes including round, flat, square & hex in solid bars as well as Round, Square & Rectangle extruded tubing. EMJ works closely with our suppliers to provide multiple options in non-standard and custom designed extrusions that reduce machining and fabrication time, wastage and scrap. EMJ provides custom die production made to tight and exacting tolerances in order to produce your custom and/or proprietary shapes to virtually any size, profile or length, as well as providing custom anodizing services in order to protect the color and finish.



Aluminum Plate

Available Grades	Thickness Size Range
2024-T351	¼" – 6"
6061-T651	¼"-10"
7075-T651	¼" – 4"
7050-T7451	½" – 4"
ACP 5080P Tooling Plate	¼" – 2 ½"
MIC 6 Tooling	¼" – 2"



Our **Schelling fm 6** precision cut-to-size plate saw can handle high value materials like aluminum and non-ferrous metals up to 4" thick, 144" wide and 144" long capacity with precision and performance. The newest technology on the market, this machine optimizes cutting quality, protects surfaces and minimizes scrap.





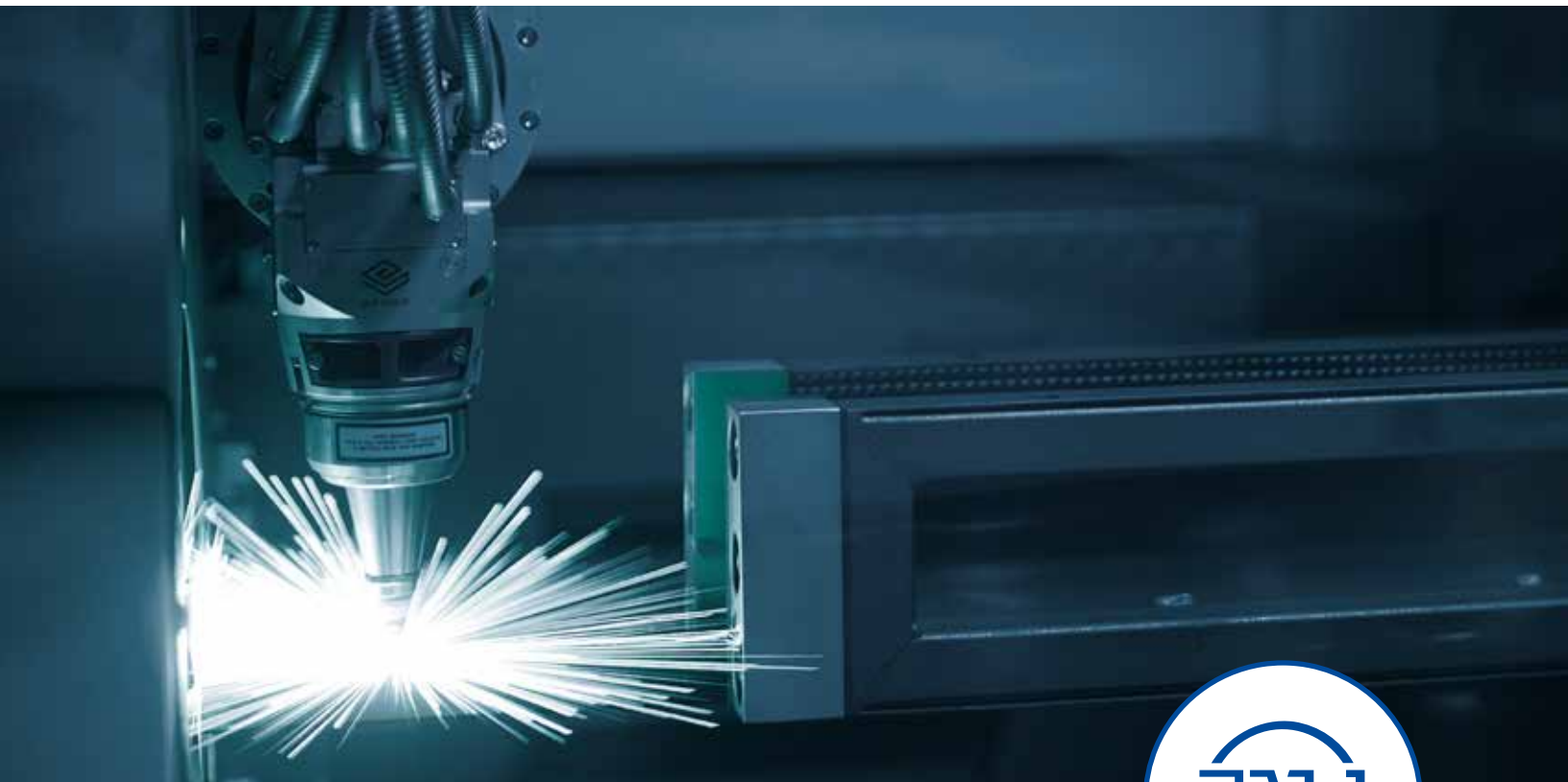
SERVICES

Choose from a comprehensive line of processing services to compliment and add value to your aluminum products. **For service that never stops,** call your local EMJ materials specialist.

- Contour Saws
- Router Saws
- Saw Cutting
- Plate Saws
- Water Jet Cutting
- Laser Tube Cutting

Laser Tube Cutting

Utilizing Fiber Laser technology, the state of the art Lasertube LT8 processes round, square, rectangular and special shaped tubes, plus angles, channels and flat bars into intricate joints and kits for the automotive, medical, construction and energy industries. The LT8 delivers unparalleled productivity rates across its entire capacity range. 3-D machining capability is an essential feature for processing bigger dimensioned and thicker wall tube.



Making a material difference EMJMETALS.CA / EMJCanada@emjmetals.com

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