

RESEARCH MACHINING SERVICES

GET YOUR RAW MATERIALS FROM US!

Save time and money by obtaining your raw steel, aluminum, and stainless steel in one place, at one of Purdue's largest machine shops. Material is sold by the pound and can be cut to your required sizes. Most material orders can be filled next day on in-stock items.



Steel, Aluminum, and Stainless Steel

- Steel bar and sheet are generally 1018/1020 grade, cold-finished material
- Steel plate, tube, and angle are generally 1018/1020 grade, hot-rolled material
- Aluminum bar, plate, and round tube are generally 6061-T6 material
- Aluminum square tube and angle are generally 6063-T52 material
- Stainless steel material is generally 304 grade, with some 316 grade available
- Other types of metals and plastics available in limited variety or by special order

Sheet and Plate Materials

- Stocked in 4 ft. x 8 ft. size
- Sheet starts at 24 gage (approximately 1/32") and goes up to 10 gage (approximately 1/8")
- Plate is generally available in 3/16", 1/4", 3/8", 3/4", and 1" thicknesses

Bar Stock in Round, Flat, and Hex shapes

- Round stock generally available in diameters: 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2", 3", 4", and 6"
- Flat bar (square) generally available in: 1/8" x 1/8", 1/4" x 1/4", 1/2" x 1/2", 3/4" x 3/4", 1" x 1", 1.5" x 1.5", 2" x 2", 2.5" x 2.5", 3" x 3", 3.5" x 3.5", 4" x 4", and 6" x 6"
- Flat bar (rectangular) generally available in 1/8", 1/4", 1/2", 3/4", and 1" thicknesses - widths generally go from 1/2" to 6", in 1/2" increments
- Hex stock starts at 1/2", up to approximately 3" across flats

Angle material available in Steel and Aluminum

- "Square" angle (1 x 1, 2 x 2, etc) is generally available in: 1" x 1", 1.5" x 1.5", 2" x 2", 2.5" x 2.5", and 3" x 3" sizes - with wall thicknesses of 1/8", 3/16", and 1/4"
- "Rectangular" angle (with different length legs) is generally available only by special order

Tube material stocked in Round or Square configuration in limited varieties

- Round tube is ordered by its *outside* diameter (OD) and wall thickness
- Square tube is also ordered by its *outer* size and wall thickness
- Rectangular tube is generally available only by special order
- Both seamed & seamless tube is available in Steel & Stainless Steel

Pipes available in mainly steel (Black Pipe)

- Pipe is ordered by its *inside* diameter and Schedule Size (Sch. 40, Sch. 80, etc)
- Aluminum, stainless steel, and brass pipe is available by special order



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Please note: credit cards are not accepted!
Provide a Purdue account number, or cash (Purdue students only).