



COMMONLY USED RAW MATERIALS

Dimar Manufacturing is the largest consumer of sheet steel in Western New York State. As such, we stock a variety of raw sheet steel in various gauges and have daily deliveries of incoming supply. The following are some general parameters of the materials that we work with:

CARBON STEEL - Typical sheet sizes are 60" X 120" but we will also utilize custom raw sheet sizes for high volume projects to assure maximum material utilization with minimal scrap. For laser cutting we can process carbon steel as thin as .006" and as thick 1.00". (Thicker gauges can be accommodated with non-laser cutting alternatives.)

Cold Rolled Steel; Hot Rolled Pickled and Oiled; Grade SA516-70; and A-36 are commonly used. We maintain a broad base of supply relationships for specialty grades of material such as HSLA, Hardox, and different varieties of spring steels.

STAINLESS STEEL - Typical sheet sizes are 60" X 120" but we will also utilize custom raw sheet sizes for high volume projects to assure maximum material utilization with minimal scrap. For laser cutting we can process stainless steel as thin as .006" and as thick as .500" (depending upon part configuration. Thicker gauges can be accommodated with non-laser cutting alternatives.)

Various grades of stainless are used including 302-304, 302-304L; 316, 316L; and 410. Finishes may include #2B, #3, #4, and #8. Additional specialty grades and /or finishes are also available through our extensive supply relationships.

ALUMINUM - Typical sheet sizes are 60" X 120" but we will also utilize custom raw sheet sizes for high volume projects to assure maximum material utilization with minimal scrap. For laser cutting we can process stainless steel as thin as .006" and as thick as .400". (Thicker gauges can be accommodated with non-laser cutting alternatives.)

Various grades are commonly used including 3003; 5052, and 6061. Other grades and specific finishes are available as well through our supply relationships.

OTHER MATERIALS

The scope of our custom manufacturing projects require us to utilize a wide variety of additional materials such as (but not limited to):

Copper

Inconel

HDPE and Other Plastics; Acrylics, Polycarbonates,

Wood and Wood Composites

Vinyl Clad Steel (for aesthetic effects – like wood graining)

OTHER – Whatever other raw material your project may require; we will review your specifications and confirm the suitability of our processes and equipment to complete your products.

The thicknesses and raw material sheet sizes of these materials will depend upon the characteristics of the components and assemblies; and also the processes to be used for cutting, forming, and assembly.

