

## Why IMS?

At IMS, not only can you get your hands on the raw materials you need, but we've also got superior cutting capabilities and well-trained experts on hand.

- ▶ Aluminum, Steel, Stainless in stock
- ▶ 1st operation service reduces lead time and cost
- ▶ Prototype or production quantities
- ▶ Quotes within a day
- ▶ 24 hour production - express service available
- ▶ ISO 9001 certified
- ▶ Numerous CAD formats supported
- ▶ Manufacturing engineering available

 **INDUSTRIAL METAL  
SUPPLY COMPANY**  
metal made easy

### L O C A T I O N S

**Los Angeles**  
818-729-3333

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602-454-1500

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**Tucson**  
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**Request a Quote Today!**

Email: [info@imsmetals.com](mailto:info@imsmetals.com)

 **INDUSTRIAL METAL  
SUPPLY COMPANY**  
metal made easy

Aluminum • Steel • Stainless • Copper • Brass

# SERVICES

[industrialmetalsupply.com](http://industrialmetalsupply.com)

### ► Laser

**Flatbed Laser:** With eight high powered precision flatbed laser machines at the ready, we are in a position to turn your order around quickly. With our large flatbed laser cutting capacity we are able to handle small or large batch sizes, cutting profiles to your exact specifications.

Capabilities:

- Steel up to 1"
- Stainless Steel up to 3/4"
- Aluminum up to 1/2"

**Tube Laser:** With the 3D 6-Axis laser we can combine the following into one process - cutting, milling, drilling, tapping, coping, hand grinding, beveling, deburring.

Capabilities:

- Steel up to 3/4"
- Stainless Steel up to 1/2"
- Aluminum up to 3/8"
- Round tube over 10" in diameter
- Square and rectangle tube up to 8"
- I-beam, channel and structural shapes that fit into an 8" square
- Tapping up to 1/2-13 thread

### ► High-Definition Plasma

**High-Definition Plasma:** Our system is the most advanced in the Southwest with its superior cut quality and consistency. We can help maximize your productivity and minimize your production costs.

Benefits of using plasma:

- Virtually dross free though 1" steel plates - saves labor costs on grinding
- Superior squareness in comparison to oxy-fuel processed plates
- Improved bolt-ready hole quality - little to no taper or bias
- Maximum cutting capacity 2"

Capabilities:

- 10' x 20' cutting area
- Cuts thickness up to 2" on sheet and plate
- Mild Steel - Stainless Steel

### ► Standard Cuts

**Precision Plate Sawing:** We use precision non-ferrous MetlSaws for close tolerance cuts (+/- .005"), leaving you with precision-manufactured parts cut once, with little or no subsequent machining required.

**Shearing:** Our shears are used to make straight cuts on flat metal stock up to 1/2" thick. Typically, any geometrical shape with a straight line cut can usually be produced on a shear - sheet, strip, bar & plate.

**Band Sawing:** We have numerous cutting stations in each of our six locations. This allows for same day turn around on most custom cut requests.

### ► Waterjet

**Waterjet:** We specialize in precision cutting of parts and components for industrial and commercial requirements. Waterjet cutting is extremely efficient in creating complex shapes inexpensively, and manufacturing forms ready for final machining.

Our newest waterjet has full 5 Axis capability, along with the ability to cut Blanks up to 78" wide x158" long.

Capabilities:

- Steel up to 8" thick
- Stainless Steel up to 8" thick
- Aluminum up to 8" thick
- (each with a cut minimum thickness .010)
- Bevel cut up to 45 degrees

## PROCESSING FACILITY LIST

### ► Flatbed Lasers

MITSUBISHI 3015LVP w/Pallet Changer - 4000 watts - 5x10 table size  
 MITSUBISHI 3015LVP w/Pallet Changer - 4000 watts - 5x10 table size  
 MITSUBISHI Rotary Axis for tube cutting - Installed on the Mitsubishi LVP  
 MITSUBISHI 3015EX w/Pallet Changer - 4500 watts - 5x10 table size  
 MITSUBISHI 3015HD - 1600 watts - 5x10 table size  
 MITSUBISHI 2012LB - 2000 watts - 48x78 table size w/Rotary  
 HANS Laser 4020HF 8K Fiber - 158" x 78" table  
 IPG Laser Cube - 4KW Fiber - 49"x49" w/Linear Drives  
 MITSUBISHI 3015 L2P - 3600 watts - 120"x60" table

### ► Flatbed 5-Axis Laser

MITSUBISHI 2015VZ2 - 5 Axis laser for shape cutting - 4000 watts  
 Shape cutting, modify, and tube cutting. 5 axis of operation and allows cutting at virtually any angle.

Table size 83"x60" with 28" in the Z axis

### ► 6-Axis Tube Laser

MAZAK FG 300 Tube Laser, 4000 watts, 10.7" OD x 26" capacity.  
 Tube, square, rectangular, special shapes. Channel, Angle, and I-Beam

### ► Waterjet

MITSUBISHI 6'x12' Waterjet - Waterjet with 90,000 PSI cutting pressure. Active taper control allows straightness to + or - .001 per 1/2 inch of material.

CMS 4020 5 Axis Waterjet 78"x158" Table

### ► Plasma

HYPERTHERM 400 HD Plasma Cutting System with 10'x20' table up to 2" plate

### ► Finishing

TIMESAVER DUAL HEAD DEBURRING - Finishing Machine - Twin heads allow burr removal and radius of cut edges in one pass. 36 inch wide pass width.

### ► Software

AutoCAD 2D Software  
 Catia 3D Design Software  
 Metamation 2D Laser Software  
 Solid Works  
 Genit 5 Axis Laser Software

Mazak FG CAM Rotary Software  
 Pronest  
 Sigmanest  
 Metallix

**Email for Quote!**  
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