Since 1948

LASER SERVICES GROUP

A division of Industrial Metal Supply Co.

Reduce **Costs** and **Save Time**

with **3D 6-Axis Laser Cutting**

Contact your nearest branch today to learn how
3D 6-Axis Laser Cutting can benefit your business!

INDUSTRIAL METAL SUPPLY CO.

LOS ANGELES	8300 San Fernando Road, CA 91352	818-729-3333
ORANGE COUNTY	2072 Alton Parkway, Irvine, CA 92606	949-250-3343
INLAND EMPIRE	301 Main Street, Riverside, CA 92501	951-300-9933
SAN DIEGO	7550 Ronson Road, CA 92111	858-277-8200
ARIZONA	5150 S. 48th Street, Phoenix 85040	602-454-1500

ABOUT IMS

Industrial Metal Supply Co. is a sixty year old family-owned business. Today the company has five branches, over 300 employees and 45 delivery trucks serving Southern California and Arizona. The company prides itself on being flexible to meet our customer's needs. IMS is in constant pursuit of finding new opportunities that will help save its customers both time and money.

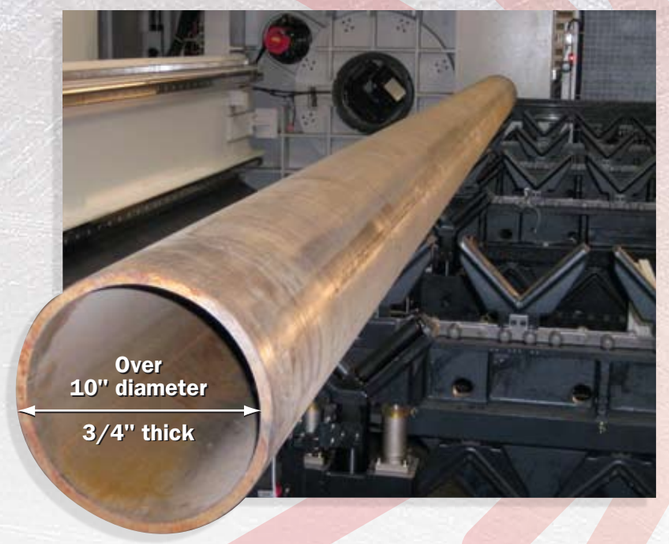
www.industrialmetalsupply.com

Greatly **Simplify** the **Production Process** and **Reduce** the **Possibility of Errors**

Since 1948

Industrial Metal Supply Co. is offering its customers the opportunity to dramatically increase their efficiencies using the newest, most advanced 3D 6-Axis laser technology available. The addition of the FabriGear 300 to the IMS Laser Services Group allows customers to eliminate multiple manufacturing steps and produce with absolute precision:

- Straight and angled cuts with weld bevels to 45 degrees
- Contoured cuts with weld bevels, tabs and slots
- Drill and tap holes up to ½" in diameter
- Any shape drawn on a CAD system
- Any combination of the above
- Plus, laser engraving for part identification



BENEFITS

Combine the following into one process:

- Cutting
- Milling
- Drilling
- Tapping
- Coping
- Hand grinding
- Beveling
- Deburring

More benefits include:

- Single chucking for lengths up to 26'
- Tighter tolerances and better fit-up for robotic welding
- Eliminate need for tooling and fixturing

MATERIAL

The FabriGear 300 works on steel, stainless and alumimum equally well cutting up to:

- 3/4" thick steel
- 1/2" thick stainless steel
- 3/8" aluminum

Using the power of a 4000 watt laser it can cut material as long as 26' in length into pieces as short as one inch. With a robot loading the material, the Fabrigear handles:

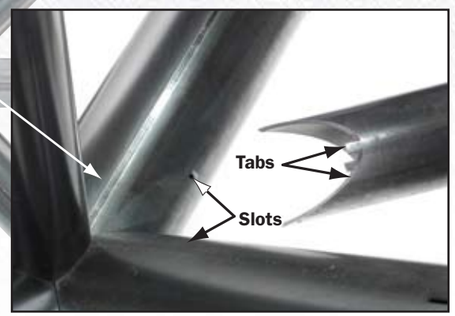
- Round tube over 10" in diameter
- Square and rectangle tube up to 8"
- I-beam, channel and structural shapes that fit into an 8" square

Tab & Slot cuts on 8" tube

- ✔ ***Unsurpassed accuracy***
- ✔ ***Consistent quality***
- ✔ ***Reduced lead times***
- ✔ ***Greater throughput***
- ✔ ***Higher profits***

Geodesic Frame design

Tab & Slot connections

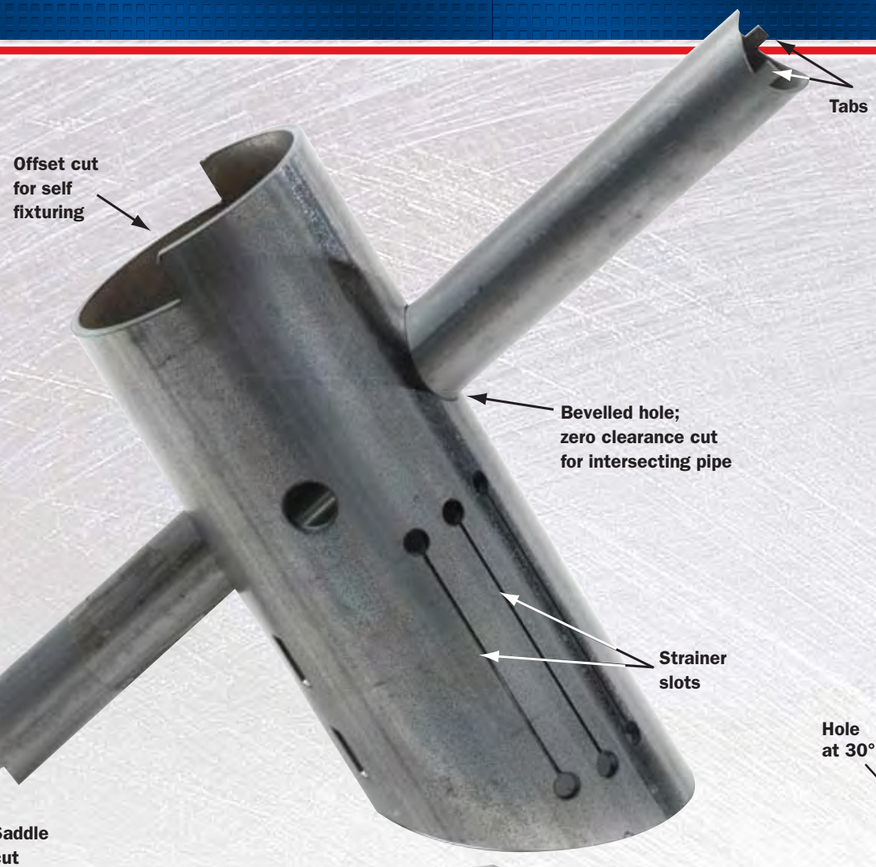


LOS ANGELES 818-729-3333 • **ORANGE COUNTY** 949-250-3343 • **INLAND EMPIRE** 951-300-9933 • **SAN DIEGO** 858-277-8200 • **ARIZONA** 602-454-1500 • www.industrialmetalsupply.com

INDUSTRIAL METAL SUPPLY CO.

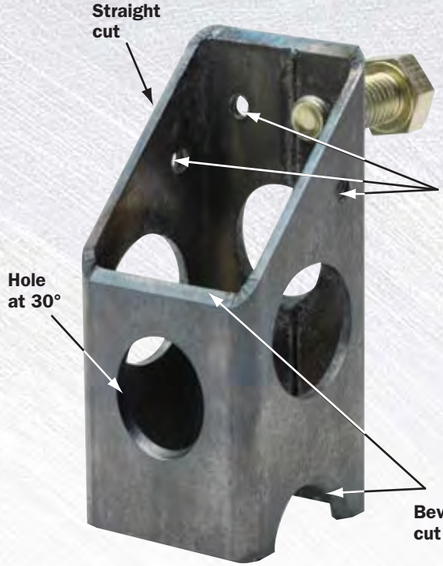
The shape and tube laser's **6-axis cutting head** and **simultaneously controlled chuck** allow it to cut **complex contours** with **weld-prep bevels** in just one operation with one setup.

Since 1948



Hook & Slot design

Complex cuts with bevel



Slot & Holes

Cut shapes up to 8"x 8"

8" Shape

Complex cuts with bevel

LOS ANGELES 818-729-3333 • **ORANGE COUNTY** 949-250-3343 • **INLAND EMPIRE** 951-300-9933 • **SAN DIEGO** 858-277-8200 • **ARIZONA** 602-454-1500 • www.industrialmetalsupply.com

INDUSTRIAL METAL SUPPLY CO.

Fabricators, machinists and **welders** will see **immediate benefits** from using this **laser cutting technology**

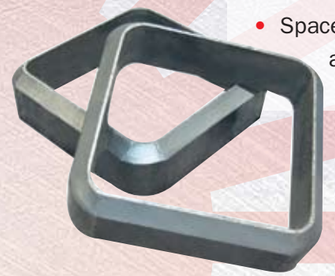
Since 1948

Fabricators

- Cut parts from shapes and tube including I-beam, channel, T-bar, angle, rectangular tube and pipe
- Bevel or weld chamfer parts
- Drill, end-cut and contour cut tube, pipe or structural parts
- Eliminate manual cutting and measuring operations
- Reduce multiple operations and setups

Welders

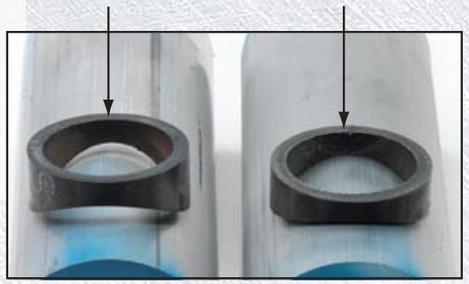
- Precise saddle cuts
- Tab and Slot design can reduce/eliminate the need for fixturing and tooling
- Precut weld bevels for cleaner, more consistent end product
- Precision cuts provide stronger welds using less materials
- Space frames and complex tube cuts are now possible without grinding



Square tube bevel

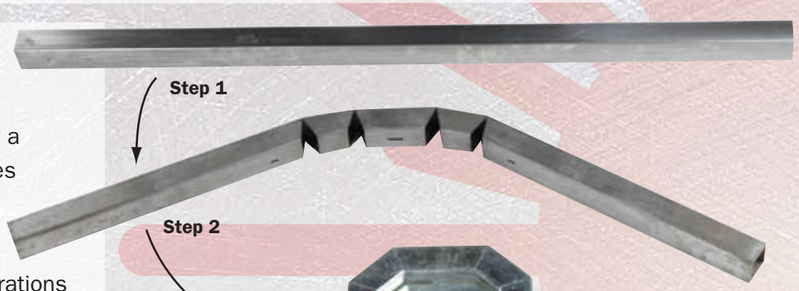
Conventional 4-axis tube laser cutting does not create a tight fit

6-Axis laser cutting provides a tight fit and allows for a weld bevel



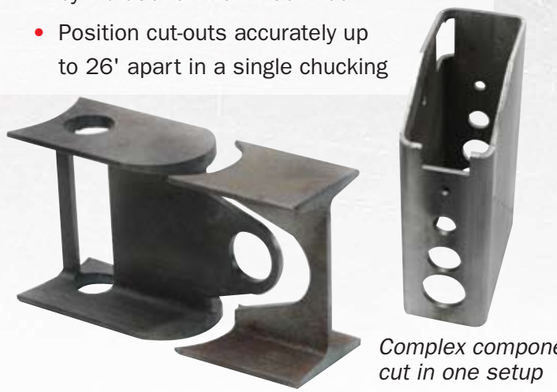
Machinists

- Cut parts up to 3/4" thick
- Drill or tap holes up to 1/2" near a rounded edge or on multiple sides
- Eliminate fixturing for complex or multi-staged parts
- Reduce multiple setups and operations
- Precision cut parts that are affected by vibrations when machined
- Position cut-outs accurately up to 26' apart in a single chucking

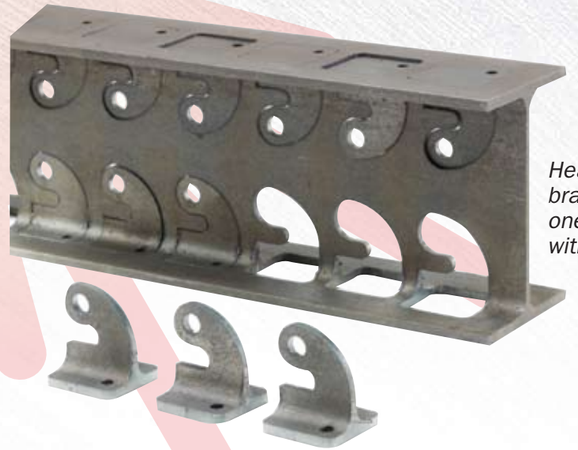


One-piece construction

Cut and Fold with Tab & Slot design



Complex components cut in one setup



Heavy-duty bracket cut in one setup without welding

LOS ANGELES 818-729-3333 • **ORANGE COUNTY** 949-250-3343 • **INLAND EMPIRE** 951-300-9933 • **SAN DIEGO** 858-277-8200 • **ARIZONA** 602-454-1500 • www.industrialmetalsupply.com

INDUSTRIAL METAL SUPPLY CO.