

Specializing in Heavy and Light Metal Components, Large Weldments and Full Assemblies from 20 Gauge up to 7" Plate



One Stop Shop for Metal Fabrication

Chicago Metal Fabricators (CMF) is the nationwide premier source for low-to-high volume production of high-quality, custom metal components and assemblies. Offering a broad range of contract services, CMF is a true one stop shop for metal fabrication solutions.

Since 1908, our ability to adapt and grow with innovative design concepts and advancing technology has been the foundation for our success. From concept to completion, CMF is committed to exceeding customer expectations and creating quality custom component solutions that meet precise specifications, quality standards, and on-time delivery deadlines.

Our fully integrated, ISO 9001:2015 compliant operations include two locations – a 200,000 sqft heavy metal facility in Chicago and a 60,000 sqft light gauge facility in Elk Grove Village, each with full-service capabilities from reverse engineering and prototyping to mass production and assembly. Chicago Metal Fabricators has the efficient technology and skilled expertise required to ensure the accuracy and durability of each project, as well as find innovative solutions to save time and cut expenses.

Our robust capabilities allow us to serve a diverse customer base in a variety of industries that include: rail, airlines, construction, aerospace, point-of-purchase, defense, energy, infrastructure, off-highway, art, and many more.

Contact us today for a quote or visit chicagometal.com for more information on our custom metal fabrication solutions.



Welding & Assembly



Press Brake Forming



Laser Cutting



Plate Rolling



CNC Machining



HD Plasma Cutting



CNC Saw Cutting



Robotic Automation

Equipment & Resources

Facility Size

200,000 sq ft (Chicago, IL)
60,000 sq ft (Elk Grove Village, IL)

Overhead Crane Capacity

Up to 20 tons
27 ft Under Hook

Welding Equipment

Welding Robots—up to 10 ft X 30 ft
Pandjiris 40 ft Subarc System
Internal/External Subarc Welding Tractors
Jetline CNC Welding Lathers
Jetline Seamwelder
Tig, Mig, and Fluxcore Machines
Spot Welders (7)

Press Brake Forming

Heavy

Accurpress 1500 ton X 30 ft
Cincinnati 1000 ton X 30 ft
Pullmax 700 ton X 20 ft
Pacific 750 ton X 16 ft
Ermak 330 ton X 13 ft
Cincinnati 500 ton X 24 ft
Robotic LVD 440 ton X 12 ft

Light

Toyokoki Servo - Electric (3)
Diamond Servo - Electric (5)
CNC Hydraulic (10)

Sawing

HEM VF-120 CNC Mitering (up to 60°) Saw
Amada 400 Saw

Hi-Definition Plasma Cutting

Messer 12 ft X 70 ft Table
Hypertherm HPR 400 Units (2)
Bevel Head (1)
Straight Head (1)

Laser Cutting

CY 8 kw Fiber Laser
10 ft X 30 ft Pallet Changer
Whitney 6 kw Laser
10 ft X 20 ft Table
Mitsubishi Auto Load Lasers (3)

Machining

G&L 50 RTX CNC Boring Mill w/Rotary Table
Union 4" Boring Mill
Haas VF-6 Mill
Haas VF-4 Mill
Engine Lathes to 24" Swing

Painting And Blasting

14 ft X 50 ft Empire Blast Room
16 ft X 50 ft Paint Booth w/Environmental Controls

Plate Rolling

Roundo 3/4" X 12 ft Roll

Turret Punching

Amada High Speed Vipros (3)

3D Modeling & Software

SolidWorks®
AutoDESK® Inventor CAD
SigmaNEST®
OmniBevel