

STEEL PROCESSING CAPABILITIES



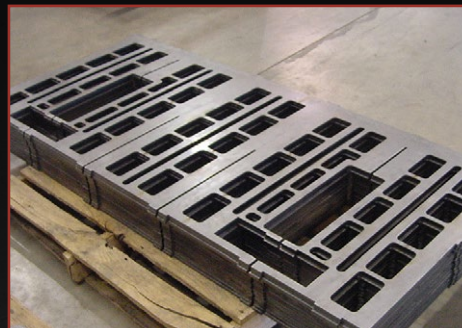
WHY CHOOSE SWANTON WELDING FOR YOUR STEEL PROCESSING NEEDS?

As part of our metal fabrication services, Swanton Welding & Machining performs a variety of cutting processes on a broad selection of materials such as mild, stainless, aluminium, heavy plate, and thin gauge metal. We even cut rubber, plastics and acrylic. mild steel can be cut up to 3/4".

We also have a 40' Ficep beam line. Our Ficep beam line is fully automated and has CNC control for accurate sawing to length and hole drilling in beams, channels, angles and flat bar.

We possess five CO2 laser cutting machines equipped with a 4,000 watt power supply and 60" x 120" and 80" x 160" tables. Our flow water jets can work with parts measuring up to 6' x 12' and up to 6" thick. With our advanced cutting operations, we can manage production runs from one-off prototypes to 10,000 units. Contact Swanton today to learn more about our advanced cutting technology.

Additionally, we have a Ficep A164 Angle Line, which efficiently produces high volumes of angled parts requiring cutting and hole placement.



STEEL PROCESSING CAPABILITIES

GENERAL CAPABILITIES

From concept to completion
Industrial fabrication
Mechanical design
AutoCAD
Material handling
Prototype design
Complex fabrication & assembly

ARC/RESISTANCE WELDING PROCESS

Metal Inert Gas (MIG)
Tungsten Inert Gas (TIG)
Robotic Welding
Automatic Track (Seam)
Automatic Straight Line
Gas Tungsten Arc Welding (GTAW)
Stick Electrode Gas Metal Arc Welding (GMAW)
Shielded Metal Arc Welding (SMAW)
Flux Core Arc Welding (FCAW)
Overlay Spray Stud

BRAZING

Brass
Gear

MATERIALS

Steel
Stainless Steel
Aluminum
Copper
Bronze
Magnesium
Hard Surfacing
Wear Plate
AR Plate
4140
Inconel

WELDING OPERATION

Free Hand
Robotic Semi-Automatic

INDUSTRY STANDARDS

AWS D1.1 Certified
In-house CWI
American Welding Society (AWS)

EFFICIENCY

Six Sigma Black Belt
Lights Out Manufacturing
Lean Manufacturing

PRODUCTION VOLUME

Prototypes
Small Runs
Medium Runs

LEAD TIMES AVAILABLE

2 to 12 weeks
Emergency Services Available

FILE FORMATS

AutoCAD
2D Mechanical
3D Inventor
Radan

ADDITIONAL SERVICES

Assemblies
Engineering Prototype
Research and Development
Semi and Flatbed Truck Delivery