



A Tradition of Innovation



80,000 sq. ft. manufacturing facility
 Heavy fabrication
 Sheet metal fabrication
 Design Engineering
 Paint (wet, powder coat)
 Complex in-house assembly, packaging
 Prototype and volume production
 Inventory management
 Certified Hardox® Wearparts distributor

CUTTING/PUNCHING

Laser Cutting

- 5000-watt automated fiber laser (120" x 60")
- 5000-watt CO2 laser (120" x 60")
- Accuracy
 - ± 0.005 on material < 0.5" thick
 - ± 0.010 on material ≥ 0.5" thick
- Max. sheet thickness
 - Mild Steel: 1.0"
 - Stainless Steel: 1.0"
 - Aluminum: 1.0"
 - Brass: 3/8"
 - Copper: 3/8"
- Part marking, inscribing

Plasma Cutting

- 120" x 288"
- 288" x 288"
- Accuracy: ± 0.030"
- Max. sheet thickness: 1.5"

Turret Punching

- 60" x 120"
- Accuracy: ± .003"
- Max. sheet thickness: .315"

Waterjet Cutting

- 141" x 69"
- Accuracy: ± 0.003"
- Max. sheet thickness: 8"

Oxy-Fuel Torch Cutter

- 288" x 288"
- Accuracy: ± .030"
- Max. sheet thickness: 6"
- 4-torch simultaneous cutting

Band Saw

- 16" x 25" square capacity

BENDING

Press Brakes (6)

- 600-ton (192" max. bend)
- 170-ton (122" max. bend)
- 143-ton (127" max. bend)
- 88-ton (102" max. bend)
- 36-ton (40" max. bend)

Four-Roll Plate Roller

- .75" x 120" rolling capacity

WELDING

16 Fully Equipped Weld Stations

- MIG units
- TIG units for specialized applications
- 7 platen fixture tables
- Welders certified in AWS D1.1, GMAW, GTAW, FCAW and MCAW applications
- AWS-Certified Weld Inspector and Certified Weld Supervisor

Spot Welder

- 75 KVA
- 480 volts

Specialized Welding Capabilities

- Portable hand plasma units
- Handheld carbide beveller
- Track torches
- Line welding
- Line boring

MACHINING

Vertical Machining Centers (4)

- Up to 7500 RPM
- X-Axes: up to 161"
- Y-Axes: up to 79"

Engine Lathe

- 26" swing over bed
- 60" between centers

Pneumatic Tapper

- 3/8" capacity
- 22" to 76" working range

FINISHING

Wet Painting

- Self-contained force-cure booth
- Part envelope: 14' tall x 13' wide x 50' long
- Heated forced-air dry
- 2 high-volume/low-pressure spray systems
- Electrostatic spray system
- Isolated paint kitchen

Powder Coating

- Powder-dedicated facility
- Batch-style system
- Heated, pressurized phosphate pre-treatment
- Spray booths (2)
- 13' wide x 23' long x 8' tall
- 8' wide x 12' long x 8' tall
- Curing ovens (2)
- 8' wide x 10' long x 8' tall
- 8' wide x 30' long x 8' tall
- Assembly and packaging

Dry Metal Grinder

- Rapid, automated straight lining
- 0 to 5" opening
- 35" max. width

In-Line Conveyor Blasting

- 6-nozzle
- Large-part capacity
- Abrasive Grit

Other Blasting

- Bead
- Shot

Belt Sander

- Manual straight lining
- 30" x 10" table
- 24" vertical adjustment

Weld-Cleaning System

- Removes TIG and spot weld discoloration on stainless steel
- Fast, electrochemical process (3 ft. of weld/minute)

ASSEMBLY

Hardware Insertion Machines (3)

- 36" throat depth
- Automatic hardware feeders
- Quick-change tooling
- 10-ton capacity

Pop Rivet Stations (6)

- High-speed pneumatic rivet assembly

QUALITY

Schaffer Manufacturing maintains a robust quality management system centered upon our ISO 9001:2015 certification. Our system is designed to meet or exceed customer requirements through a variety of in-process and final inspection techniques that are individually tailored to verify product conformity.



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