



Facilities List

Overview

Crenlo is located in Rochester, Minnesota with two facilities totaling 43 acres enclosing more than 600,000 square feet. Our employees at these sites utilize the latest in modern manufacturing technologies, all backed by a quality driven culture, expert service, and on time delivery.



Plant 1



Plant 2

Metal Processing Equipment

- De-coiling and precision cut-to-length line.
22-gauge to 3/16" thickness capacity.
5' max blank width. 12' max blank length.
- 7 CNC controlled laser cutters. [Mazak]
Up to 2500 watt 4' x 8' capacity.
- 7 CNC controlled punch presses. [Amada]
15 - 50 ton capacity. Plasma arc cutting capability.
- 32 Press brakes.
60 - 600 ton capacity.
- OBI mechanical press with "SmartPac." [Kamatsu]
250 ton capacity. Bed size of 37" x 106".
- 5 Straightside mechanical presses
150 - 750 ton capacity. Bed sizes to 84"x 132".
- 8 Power shears.
Up to 1/2" capacity.
- Straightside hydraulic press.
1,000 ton capacity. Bed size of 72" x 124".
- 24 Punch presses.
20 -150 ton capacity.
- 2 Tube benders. [Pines] [Horn]
Up to 4" O.D. tubing capacity.
CNC Controlled.
- 3 Production band saws. [Marvel]
18" x 20" capacity with automatic feed.
- 29 Drilling and tapping machines.
Up to 1 1/4" diameter capacity.
- Robotic Press Brake.
250 ton.

Model Shop

- 56 ton press brake.
- 200 ton press brake.
- 5' power shear.
- Band saw.
- Drill presses.
- Punch presses.

Fixture, Tool and Die Shop

- Welding machines.
- Lathes.
- Grinders.
- Mills.
- Heat treating oven.



Cab
Products



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Welding/Metal Finishing

Welding operations are supported by adjacent grinding areas, and are served by traveling bridge cranes and supplementary jib cranes.

- 18 ABB robotic welders.
500 amp capacity.
- 2 Motoman robotic welders.
500 amp capacity.
- 1 1GM Robotic Welders.
450 amp capacity.
- 23 Resistance welders including robotics.
Up to 200 KVA capacity.
- More than 200 Gas shielded arc welding machines.
650 amp capacity.

Painting

- 18 stage Electrocoat (E-Coat) Operation.
2 acid immersion tanks.
- Two Powder Paint Lines.
Two overhead conveyor powder paint lines
Designed for parts 84"l x 42"w x 53"h.
Additional floor based powder system
Capable of handling items up to 8'l x 7'w x 8'h.
- Mini Paint Line.
Two 14' paint booths.
55' baking oven for short run requirements.

Assembly

Final cab assembly is accomplished on a powered floor level wood slat conveyor. Two non-powered assembly lines are used for assembly of cabs with complex electrical and electro mechanical components.

Final enclosures assembly is accomplished along a roller conveyor utilizing individual multifunctional assembly stations that allow the operator to raise and lower the unit being assembled to optimum working conditions.

Testing/Inspection

Magnetic particle and ultrasonic weld inspection equipment.

- Optical comparison machine. [Fabrivation]
48" x 72" scan surface.
- Computerized Brown and Sharpe Validator.
72" x 48" x 36" measuring cube.
- Two computer assisted lay-out inspection machines.

Metallurgical lab physical testing capabilities.

- Tensile.
- Yield.
- Elongation.
- Impact.
- Hardness.

Painted finish appearance and performance equipment.

- Salt spray.
- Conical bend.
- Taber abrasion.
- Gloss.
- Film thickness.
- Scrape.
- Adhesion.
- Drop testing.
- Computerized color analyzer.

Transportation

Under the direction of our full time traffic department, Crenlo manages most shipments on their own fleet comprised of:

- Twelve air ride tractors.
- Nine 53' air ride logistic rail vans.
- Seven 48' air ride logistic rail vans.
- Three 48' air ride flatbed trailers.