



**STEEL
INDUSTRIES
INC.**
an AMERIFORGE GROUP company



FACILITIES

- ◆ Steel Industries Inc. is comprised of the four (4) operating facilities with offices, manufacturing and warehousing facilities located in Redford Township, Michigan. Approximate square footage:

Plant 1 -forging/heat treating	39,000 sq. ft.
Plant 2 -forging/heat treating	80,000 sq. ft.
Plant 3 -heat treat/stretching	62,000 sq. ft.
Plant 4 -machining	45,000 sq. ft.
Total	217,000 sq. ft.

FORGING

- **3 - Forging Presses** Computer controlled, open die, hydraulically operated; capable of producing individual forgings up to 16,000 pounds
 - 750 Ton
 - 1200 Ton (with sliding die train)
 - 1500 Ton
- **2 - Wagner Ring Rollers** Computer controlled with laser gauging
 - **200/160 Radial/Axial Ton** Up to 160" OD
Up to 30" Face Height
12,000 lb. Maximum Weight
 - **160/30 Radial/Axial Ton** Up to 66" OD
Up to 15.25" Face Height
2,700 lb. Maximum Weight
- **Steel Heat Treating Complex** – Manufactured by Kleenair Products Co.
 - 2 furnace system features a 170" x 170" x 48" high work zone with operating capability from 800 to 2025F with +/-10F uniformity.
 - Capacity is 25,000 lbs./load.
 - Water quench tank holds 25,000 gallons
- **2 - Preheat Furnaces**
1200 degrees F capability
- **11 - Forging Furnaces**
Natural gas fired, fiber lined, recuperative box type with high velocity burners with microprocessor controls
- **9 - Annealing & Tempering Furnaces**
Natural gas fired, clamshell type with microprocessor controls
- **3 - Quench Tanks**
 - 8,000 gallon paraquench tank
 - 15,000 gallon water quench
 - 4,000 gallon water quench with heaters
- **Ring Expander – Manufactured by Fontijne Grotjes, Inc.**
Unit is of a proven design, 2000 Ton capability - a 5" stroke with 12 segment expansion head. ID capability of 32" to 136" ID x 30" high.
Capable of stretching rings with an 80 square inch cross section

CUSTOM OPEN DIE FORGINGS • SEAMLESS ROLLED RINGS • BAR PRODUCTS
12600 Beech Daly Road, Redford Township, MI 48239-2455 • (877) 783-3599 • (313) 535-8505 • Fax (313) 534-2165
Web Site www.steelindustriesinc.com • E Mail sales@steelindustriesinc.com



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- **Aluminum Processing Equipment**

- **Aluminum Drop Bottom Furnace** – Manufactured by Kleenair Products Co.

- 174" x 174" x 48" high working zone, 8,000 lb. load capacity, with rapid quench capability via drop bottom quench into a 32,000 gallon water tank.

- **Aluminum Age Heat Treat Oven** – Manufactured by Kleenair Products Co.

- Same size as above, with designed operating temperature of 170-600F. Conforms to all requirements of AMS 2750, AMS 2770 and AMS 2772.

MACHINING

- **2 - Engine Lathes**
27" swing 288" between centers
- **4 - Turret Lathes**
3 - 24" swing 60" bed
1 - 32" swing 80" bed
- **8 – Manual Vertical Lathes**
1 - 64" swing
4 - 74" swing
1 - 108" swing
1 - 127" swing
1 - 170" swing
- **3 – CNC Controlled Vertical Lathes**
1 - 68" swing with pallet changer
1 - 103" swing
1 - 132" swing
- **1 – CNC Horizontal**
1 – 49" x 49" with pallet changer
- **1 - Planer Mill**
60" x 48" x 22'
- **20 - Saws**
17 - Band saws up to 40-inch square
2 - Carbide saws
- 1 – Ring Parting Saw

PRODUCTS AND SERVICES

- **Custom Open Die Forgings and Seamless Rolled Rings up to 16,000 lbs.**
Stainless, tool steels, carbon, alloy, aluminum and nickel alloy, ESR and VAR grades.
- **Rough Turned Round Bar in Stock**
15CR-5NI VAR and 17CR-4NI stainless steel. This material is available in full-length bars or cut pieces that can be quoted as solid, drilled, and heat-treated.
- **ISO 9001:2000 Certified**
- **Heat Treating Services**
- **Full Service Rough Machining Capabilities**
- **Mechanical and Non-Destructive Testing / CMM Inspection**
- **An Outstanding On-time Delivery Performance**
- **Knowledgeable and Courteous Sales Staff**
- **Strong Technical Support Staff**

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