



High Temperature Furnace Fans

- Axial and Radial Designs
- Direct New Replacement
- Air-Cooled Designs
- Complete Refurbishment
- Fanwheel & Shaft Repair
- Certified In-House Balancing
- Certified Vibration Testing
- Wrought and Cast Fanwheels
- Quick Turn-Around





Alloy Engineering

440-243-6800

AlloyEngineering.com

Process Uptime at the Lowest Cost Per Hour Since 1943



77,000 Square Feet Total Manufacturing Floor

Welding

- Welders Qualified to ASME Section IX & AWS D1.1
- SAW
- GTAW
- GMAW
- FCAW
- PAW
- Manipulators
- Robotic Manipulator-SAW, GMAW
- Strip Cladding Weld Overlays

Fabrication & Prep

- Forming & Corrugation Tooling
- Edge Prep Beveler
- Plasma Table
- Ironworker Hole Puncher
- Bentech 15T Tube/Pipe/Rod Bender
- Shear - 10' Capacity
- Press Brakes to 1,000T/24' Bed/180" Throat
- Plate Rolls - 10 ft. Width/ 1" Thickness (Larger Capacity Available)

Quality & Certifications

- ASME Section I S-Stamp
- ASME Section VIII, Div. I U-Stamp
- NBIC R- Stamp
- AWS - CWI and AWS-SCWI Welding Inspectors
- Level II & ASNT TC-1A Certified NDE Inspectors
- In-House Visual, PT, MT and PMI
- RT, UT, Ferrite & He Leak Test by Certified Vendors
- Fan Vibration Testing, Balancing & Shaft Run-out Testing

Engineering & Design

- PV Elite (ASME Code Calculations)
- Finite Element Analysis (FEA)
- Fan Design
- Solidworks 3D

Machining

- CNC Horizontal Boring Mill 168" Capacity
- Vertical Turning Lathes up to 110" Capacity x 66" H
- Milling Machines, Drill Presses, Grinders
- Saws
- Pipe End Machining

Fan Balancing Machine

Fan Vibration Testing & Analysis

Blasting & Painting In-House to Specification

Lifting Capacity

- 40,000 LBS in house
- 20 feet Under Hook
- 18 feet Shipping Doors

Represented by:

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