



3901 UNIVERSITY AVE. N.E.
MINNEAPOLIS, MN 55421

TELEPHONE: 763-788-1651 FAX: 763-788-8300

Wear Parts for the World

Duluth Facility Capability Summary

Equipment:

- Two (2) - 10' diameter electric arc furnaces: acid melt, 24,000 pound heats.
- Vacuum molding, six-station molding center, 54" x 96" standard flasks.
- Vacuum spectrometer and LECO carbon analyzer.
- Sand system control lab.
- Complete "in house" heat-treating facilities for annealing, normalizing, tempering and liquid (oil or water) quenching.

Capacity:

- 28,000 Short tons/year.
- 300 to 6,000 pound castings.
- Production runs of 1 to 100 molds or more.

Abrasion-Resistant Alloys:

- Air-hardening steels: (280-578 BHN).
- Liquid quenched and tempered steels: (329-578 BHN).
- Chrome-moly white irons: (601-700 BHN).

Quality Assurance Program:

- ISO 9002 Certified
- Quality Assurance Manual.
- Self-imposed QA audits and specifications.
- Statistical Process Control (SPC) procedures are part of standard operations.
- Heat chemistry and hardness information retained for performance traceability.

FACILITIES