

Tempe Facility Capability Summary

Equipment:

- Four (4) - 10' diameter electric arc furnaces: 20,000 pound heats.
- One (1) - 9' diameter electric arc furnace: 16,000 pound heat.
- Large no-bake line - flaskless molding.
- No-Bake floor - flask molding.
- Vacuum spectrometer.
- Sand System Control Lab.
- Complete "In-House" heat-treating facilities for annealing, normalizing, tempering, air and water quenching.

Capacity:

- 25,000 short tons/year capacity.
- 75 - 16,000 pound castings.
- Production runs of 1 to 100 molds or more.

Abrasion-Resistant Alloys:

- Air-hardening steels: (280-578 BHN).
- Water quenched and tempered steels: (329-578 BHN).
– Including Manganese steels: (170-240 BHN as shipped).
- Chrome-moly white irons: (601-700 BHN nominal).

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.