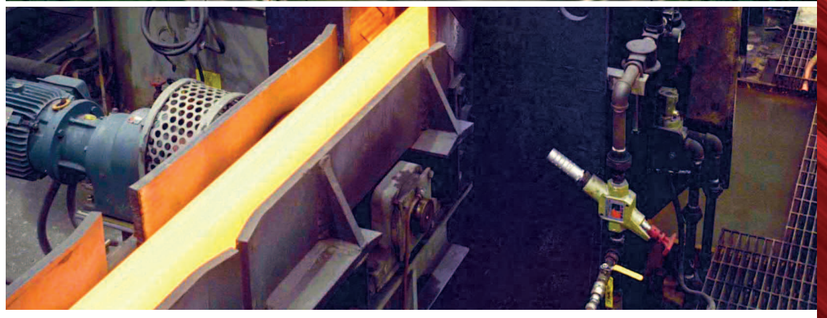
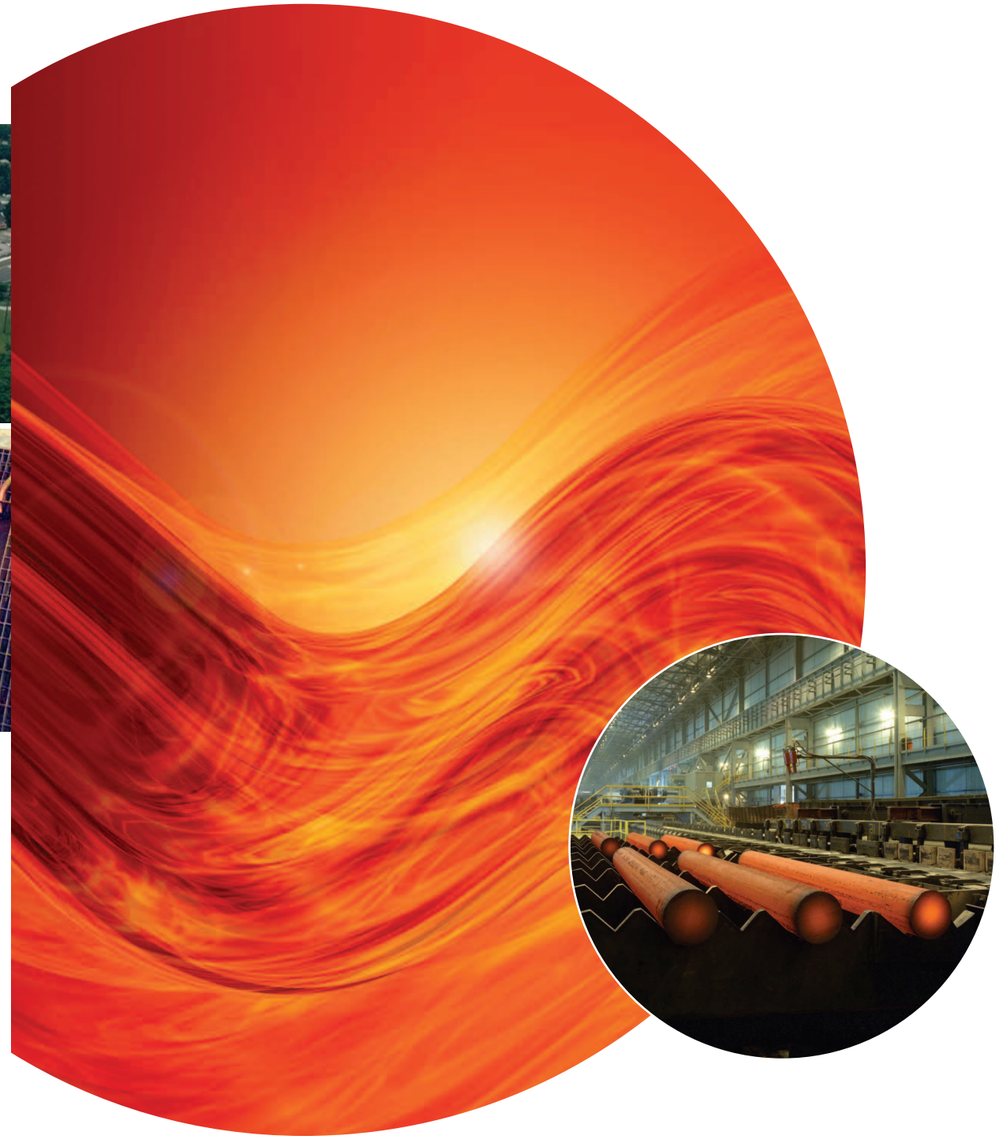
TIMKEN
Where You Turn

For products to meet challenging requirements for special bar-quality steel in your bearing, industrial, energy, distribution and automotive applications, turn to The Timken Company. Customers can be sure they are receiving Timken quality because our experienced staff controls the entire rolling mill process.

- **Expands rolling, finishing and inspection capabilities with the 76,000-square-foot addition to the Harrison Steel Plant in Canton, Ohio.**
- **Enables Timken to produce precision-sized steel bars down to one inch (25 mm) diameter for use in power transmission and friction management applications for a variety of customers.**
- **Allows Timken to meet demanding requirements for special bar-quality steel from a wide range of customers in the bearing, industrial, energy, distribution and automotive segments.**
- **Daido Steel Co. Ltd. collaberation on the project's technical aspects.**
- **Makes the primarily outsourced material more readily available within the United States.**





Timken is Where You Turn™ for innovation, quality and value-added options to improve product performance.

For more information on Timken® steel and other value-added services or products, call 866-284-6536, fax 330-471-7032 or visit our website at www.timken.com/products/alloysteel.

TIMKEN
Where You Turn

Engineered Solutions for:
Aerospace • Automotive • Bearing •
Defense • Distribution • Energy • Industrial
www.timken.com

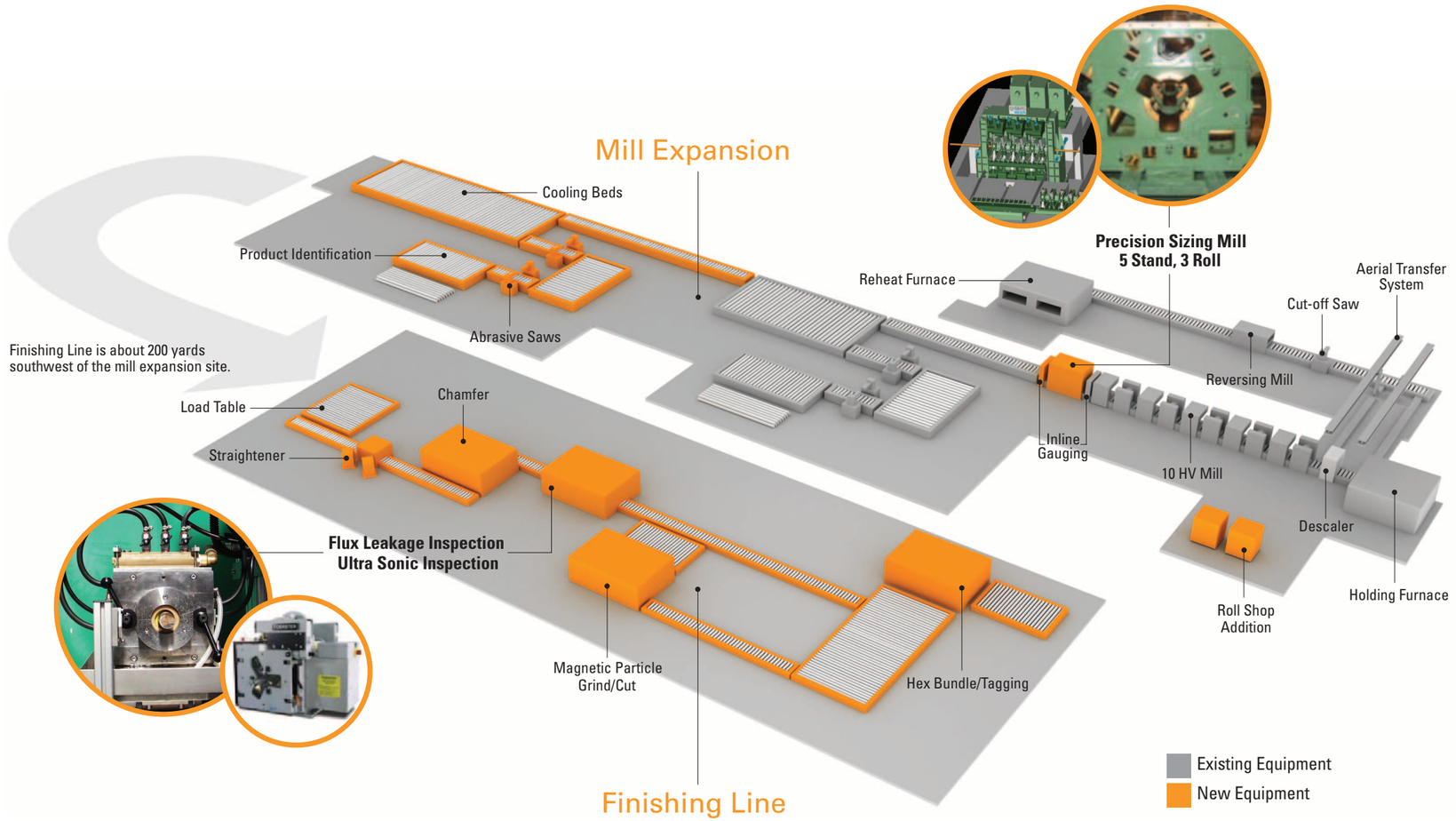
Printed in the U.S.A.
2M-10-07-29 Order No. 10150

SMALL BAR MILL EXPANSION

The 76,000-square-foot expansion added to the Harrison Steel Plant in Canton, Ohio, will extend Timken's rolling, finishing and inspection capabilities down to one inch (25 mm) diameter, giving the company an unmatched size range of alloy steel bar products in North America. The rolling mill, the first of its kind in North America, will incorporate the ability to hydraulically adjust roll gap dynamically during rolling. This ability will allow for superior dimensional control in a hot-rolled bar. The new high-speed inspection and finishing line uses state-of-the-art technology to detect surface and subsurface imperfections. The new capabilities, combined with industry-leading clean steelmaking practices, will enhance Timken's ability to engineer a bar that will meet your requirements in the most critical bar applications.

To ensure a successful expansion, Timken collaborated with Daido Steel Co. Ltd., a bar producer with demonstrated expertise in rolling and inspecting high-quality, precision rolled bar. With the assistance of Daido Steel Co. Ltd. on the project's technical aspects, the addition will greatly enhance Timken's capabilities in meeting and surpassing customer requirements for premium air-melt alloy steels.

Harrison Steel Plant Rolling Mill Expansion



Mill Expansion

- **Launches third quarter of 2008**
- **Additions:**
  - Block of five mill stands
  - Divide shear
  - 256 foot cooling bed
  - Two abrasive cutting saws
  - Discharge equipment
- **Final rolling uses three-roll technology**
  - Precision Sizing Mill supplied by SMS Meer
  - Rolls sizes one inch (25 mm) to 5 inches (127 mm)
  - Controls rolling spread
  - Hydraulic gap control system
    - Dynamically controls gap to automatically compensate for non-uniformity in bar temperature and diverse steel types
    - Delivers superior size control along the length of the bar
- **AISI dimensional capability:**
  - Size tolerance of 1/2 AISI and 1/4 AISI on select sizes

Finishing Line

- **Launches second quarter of 2008**
- **Product range:**
  - Diameter: one inch (25 mm) to 3.25 inches (83 mm)
  - Length: 16 feet (5 m) to 33 feet (10 m)
- **Components**
  - Two-roll straightener
  - Bar end chamfering
  - NDT inspection equipment – includes magnetic particle inspection testing
  - Grinding
  - Sawing
  - Product identification
  - Bundling
- **Straightener**
  - Straightening and surface enhancements results in superior surface finish and facilitates higher integrity in inspection process
- **NDT inspection equipment**
  - Detects surface imperfections with a magnetic flux leakage system
  - Detects subsurface imperfections with a phased array ultrasonic system
  - Surface imperfection removal confirmation via magnetic particle inspection