



*S<sup>SC</sup> Sterling Steel Company, LLC*



Sterling  
Company, Ltd

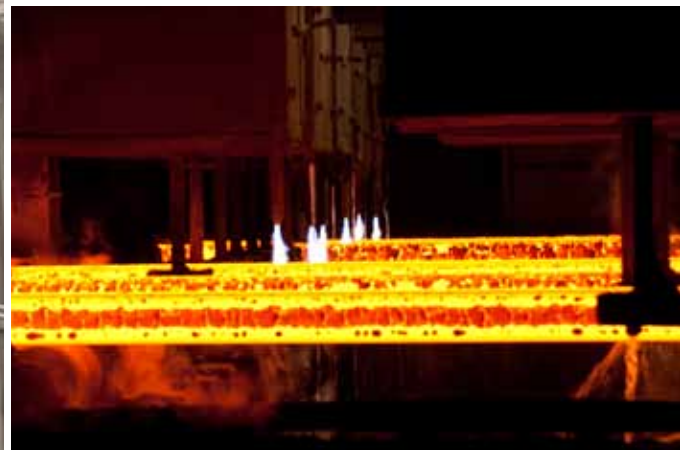
# HISTORY



Steel  
Co

In 2002, Leggett & Platt purchased Sterling Steel from a portion of the Northwestern Steel & Wire facility. The melt shop and rod mill were renovated and began operating in January of 2003. Since then, the facility has produced an average of 500,000 tons of various-sized steel rods annually.

*Leggett & Platt*<sup>®</sup>  
INCORPORATED



# WHAT WE DO



Steel rods are drawn into wire that is either used internally by various Leggett & Platt manufacturing plants or sold to outside wire customers. End products may be used in mattresses, furniture, various racking systems, bale ties, or certain automobile applications.

# ENVIRONMENTAL AWARENESS





Each year, Sterling Steel recycles 550,000 tons of scrap steel for use in the melt shop. To reduce electricity usage, the melt shop operates only on weekends, while the rod mill operates 24/7.



# THE MELT SHOP

- ▶ The melt shop features the Fuchs Single Shell EBT AC-Powered Electric Arc Furnace. With a capacity of 415 tons, it's the largest electric furnace in North America.
- ▶ Our 174 MVA transformer includes Fuchs copper-clad current-conduction arms and 28" electrodes.
- ▶ The melt shop contains two EMCI AC-powered ladle metallurgical furnaces, two 500-ton ladle cranes, a 400-ton charge crane, a 75-ton service crane, three 25-ton scrap cranes, and two 25-ton turnaround caster mag cranes.
- ▶ Our melt shop is also home to an 8-strand continuous-strand billet caster and a 100'-long cooling bed.
- ▶ Average scrap – 367 tons; average liquid tap – 346 tons; average yield – 95%.









# ROD MILL

- ▶ The 12" mill was built in 1952, with 16 stands and repeaters.
- ▶ October 1982 – the mill was revamped with 9 new stands and loopers to remove tension.
- ▶ April 1984 – we installed a Morgan No Twist Rod Mill.
- ▶ June 1984 – a 3-zone, gas-fired, 1.0 mm BTUs per ton Bricmont furnace was installed. The furnace included computer-controlled charging, firing rates, and discharging, with billet sizes of 5 1/8" X 5 1/8" X 36'.
- ▶ December 2002 – a new Stelmor cooling deck was brought in, designed for medium high carbon. A new mill drive computer and new drives for mill motors were also installed.
- ▶ March 2012 – introduction of the new Vertical Coil Finishing End.
- ▶ Our mill boasts finishing speeds of over 19,500 feet per minute (220 mph).



# MISSION STATEMENT:

To be the **SAFEST**  
and **LOWEST-COST**  
Supplier of **QUALITY** Rod

Call **today** to learn more about what **Sterling Steel** can do.



101 Avenue K • Sterling, IL 61081 • 815.548.7000