
London, July 21, 2026

Primetals Technologies to Revamp CSP Mill at WISCO in China

- **CSP casting and rolling line to be converted into an advanced hot-strip mill**
- **Targeted product mix focused on top-quality steel grades**
- **This CSP conversion project follows the successful reconstruction of thyssenkrupp Steel's Bruckhausen mill in 2025**

Wuhan Iron and Steel Co., Ltd. (WISCO), one of the major steel producers in China and part of Baowu Iron & Steel Group, the largest steelmaker in the world, has awarded Primetals Technology the order for the complete restructuring of its CSP casting and rolling line. The line will be converted into a state-of-the-art, 4.2-million-ton-per-year conventional hot-strip mill (HSM).

Started up in 2008, the original plant was conceived as a first-generation thin-slab casting and rolling line with vertical casters, tunnel furnaces, and a 7-stand finishing mill.

Second CSP Plant Converted by Primetals Technologies

To overcome the inherent limitations in productivity and product mix of this concept, WISCO decided to convert it into a conventional hot-strip mill, making use of selected existing equipment. As the principal technological partner, Primetals Technologies will tackle this challenging task within a 21-month timeframe.

This is the second CSP plant that Primetals Technologies has converted into a conventional HSM, following a very similar project successfully completed in 2025 at the thyssenkrupp Steel Bruckhausen site in Duisburg, Germany.

The new WISCO HSM will be fed by new conventional casters producing 230-millimeter slabs and reheated by two new walking beam (WB) furnaces. The new HSM will feature a brand-new, high-capacity single-stand reversing roughing mill with super heavy rolling force and two sets of heavy Edgers, providing the heavy edging reduction needed to match the new product mix requirements. New crop shear and descaling units will be installed between the roughing and finishing mill.

The finishing mill, laminar cooling section, and downcoiler will be upgraded to support the expanded product range and high-end product quality requirements.

Targets Top-Notch Products

The target product mix is focused on top-notch products including AHSS, high carbon, micro alloyed steels for pipe applications and Silicon steels. The plant productivity is targeted at 4.2 Mtpy, almost doubling the capacity of the existing plant.

Primetals Technologies will be responsible for engineering the main new equipment for the mill line and supplying key technological components. On the automation side, Primetals Technologies will supply the complete Level 1 and Level 2 architecture for the full line, featuring advanced process control models to optimize productivity and quality.

The comprehensive automation solution includes the Ski Expert ski detection, a system that allows for higher productivity, the Wedge and Camber Expert for detection and correction of strip geometry deviation, and the condition monitoring system "Asset Life Expert" (ALEX), which will support high availability of the HSM.

The project represents one of the most significant steps in upgrading outdated mills in China, enabling steel producers to meet new quality and productivity targets in a highly competitive steel market. This collaboration is not only an important measure for WISCO to improve its hot-strip rolling line layout and enhance its high-end manufacturing capabilities, but also a significant milestone for both parties as they move toward a new stage of high-quality development, continuously promoting China's high-end steel manufacturing to a higher level.

About WISCO

Wuhan Iron and Steel Co., Ltd. is a wholly-owned subsidiary of Baosteel Co., Ltd., affiliated with China Baowu Iron & Steel Group. Located in Qingshan District, Wuhan City, along the Yangtze River, WISCO is the first large-scale integrated steel enterprise built in the People's Republic of China and is hailed as the "eldest son of the Republic's steel industry" following its official start of production in 1958.

WISCO is committed to building a world-class steel product portfolio, with core products covering high-end varieties such as cold-rolled silicon steel, automotive steel, high-performance structural steel, pipeline steel, container steel, and rail steel. Thanks to their superior quality, WISCO's products are widely used in key national strategic sectors such as power transformers, automobile manufacturing, construction machinery, bridge construction, the State Grid, and high-speed railways.

Cooperation between Primetals and WISCO began in the 1990s and has expanded from hot rolling to multiple core processes such as continuous casting, cold rolling, and silicon steel. Long-term technological accumulation and joint innovation have laid a solid foundation for continuous breakthroughs by both parties.



Primetals Technologies has recently revamped a CSP casting and rolling line at thyssenkrupp Steel into an advanced hot-strip mill (HSM).

This **press release** and a **royalty-free picture** are available at primetals.com/en/press-releases

Contact for journalists:

Björn Westin, Press Officer
bjoern.westin@primetals.com
Mob. +43 664 6150250

Follow us on social media:

[linkedin.com/company/primetals](https://www.linkedin.com/company/primetals)

[facebook.com/primetals](https://www.facebook.com/primetals)

x.com/primetals

[instagram.com/primetals_technologies](https://www.instagram.com/primetals_technologies)

[youtube.com/primetalstechnologies](https://www.youtube.com/primetalstechnologies)

Primetals Technologies, Limited, headquartered in London, United Kingdom, is a pioneer and world leader in the fields of engineering, plant building, and the provision of lifecycle services for the metals industry. The company offers a complete technology, product, and services portfolio that includes integrated electrics and automation, digitalization, and environmental solutions. This covers every step of the iron and steel production chain—from the raw materials to the finished product—and includes the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a Group Company of Mitsubishi Heavy Industries, with around 7,000 employees worldwide. To learn more about Primetals Technologies, visit the company website www.primetals.com.

Primetals Technologies, Limited
A Group Company of Mitsubishi Heavy Industries
Communications

Chiswick Park, Building 11, 566
Chiswick High Road
W4 5YS London
United Kingdom

