China’s Zenith Steel revamps complete rod outlet with Primetals Technologies

- Product line expanded into high carbon market
- First Optimesh system installed in China for increased cooling
- Upgrade increases rolling speed to 110 m/s for greater production

Zenith Steel (Changzhou Zhongtian Iron & Steel) in Changzhou, Jiangsu Province, China, has signed a contract with Primetals Technologies to revamp a complete wire-rod outlet to improve the quality and range of its products. For increased cooling capacity, the wire-rod mill project will include upgrading the existing Morgan Stelmor conveyor with the first Optimesh system in China to ensure cooling uniformity for high carbon products in fast cooling mode. The revamped mill will operate at an increased speed of 110 m/s. Located in Changzhou, the mill is expected to be commissioned in early 2016. This is the fifth contract with this customer for Primetals Technologies and its predecessor companies.

The Optimesh system controls the air distribution across the width of the Stelmor conveyor, ensuring uniform cooling of the rings for consistency of both mechanical properties and metallurgical structure. The contract’s scope of supply also includes a prefinishing mill, shear, Morgan Vee No-Twist Mill, a Morgan Intelligent Pinch Roll, laying head and water boxes. The revamped mill for this privately-owned, midsized steelmaker will be able to roll rod ranging in diameter from 5.5 mm to 20 mm.

In addition, Primetals Technologies is providing an integrated solution with electric and automation upgrades for the mill.

No-Twist and Stelmor are registered trademarks of Primetals Technologies and/or its subsidiaries in some countries.
Morgan Stelmor Cooling Conveyor operating with Optimesh system from Primetals Technologies beneath nozzle deck. Optimesh ensures cooling uniformity for high carbon products in fast cooling mode. The system will be installed in a wire-rod outlet of Zenith Steel in China.
This press release and a press picture is available at
www.primetals.com/press/

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