
London, February 14, 2019

Double cold reduction mill supplied by Primetals Technologies started-up at Baosteel in Shanghai

- **Processes 205,000 metric tons of cold strip per year**
- **Mill is part of Baosteel's Tinplate Product Structure Optimization Project**
- **Mill may be run in both reduction/temper or temper mode**
- **End products will be used for beverage can, metal caps, electrical components**

At the Shanghai works of Chinese steel producer Baoshan Iron & Steel Co Ltd. (Baosteel), a newly-built double cold reduction (DCR) mill supplied by Primetals Technologies commenced operation. The DCR mill is designed to process 205,000 metric tons of cold strip per year and is part of Baosteel's Tinplate Product Structure Optimization Project. It may be run in both reduction/temper and temper mode. The processed strip will be used for the production of beverage can, metal caps, electrical components, for example. Primetals Technologies had received the order in December 2016.

Baoshan Iron & Steel Co Ltd. is part of the newly formed China Baowu Steel Group Corp Ltd, with an annual production of approximately 65.4 million metric tons (2017) the second largest steel producer in the world. Baosteel produces high-quality products for both the domestic and the world markets.

The DCR mill supplied by Primetals Technologies has an annual production capacity of 205,000 metric tons at a maximum line speed of 1,500 m/min. It consists of a two-stand UCM and is designed to perform double-cold reduction as well as one-stand temper rolling.

In the DCR process, the annealed strip, after reduction in a tandem cold mill, is reduce rolled on the No. 1 stand and temper rolled on the No. 2 stand. This process imparts the strip with its prescribed mechanical strength. In stand No. 1, work rolls with two different diameters can be used. In one-stand temper rolling, the strip is temper rolled in stand 2 to the prescribed elongation ratios to obtain the desired mechanical characteristics.

The DCR mill processes strip produced by a PLTCM. Entry strip gauges are between 0.17 mm and 0.55 mm. Exit gauges range from 0.12 mm to 0.36 mm. Strip width may vary from 700 to 1,230 mm. At a coil diameter of 2,000 mm, maximum coil weight amounts to 24.15 tons. Steel grades include DR7 to DR10.



Front view of Baosteel's new DCR mill supplied by Primetals Technologies

This press release and a press photo are available at

www.primetals.com/press/

Contact for journalists:

Dr. Rainer Schulze: rainer.schulze@primetals.com

Tel: +49 9131 9886-417

Follow us on Twitter: twitter.com/primetals

Primetals Technologies, Limited headquartered in London, United Kingdom is a worldwide leading engineering, plant-building and lifecycle services partner for the metals industry. The company offers a complete technology, product and service portfolio that includes integrated electrics, automation and environmental solutions. This covers every step of the iron and steel production chain, extending from the raw

Primetals Technologies, Limited
A joint venture of Siemens, Mitsubishi Heavy Industries and Partners
Communications
Head: Gerlinde Djumljija

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

materials to the finished product – in addition to the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a joint venture of Mitsubishi Heavy Industries (MHI) and Siemens. Mitsubishi-Hitachi Metals Machinery (MHMM) - an MHI consolidated group company with equity participation by Hitachi, Ltd. and the IHI Corporation - holds a 51% stake and Siemens a 49% stake in the joint venture. The company employs around 7,000 employees worldwide. Further information is available on the Internet at www.primetals.com.

Primetals Technologies, Limited

A joint venture of Siemens, Mitsubishi Heavy Industries and Partners
Communications
Head: Gerlinde Djumljija

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