
London, January 24, 2019

Shougang Jingtang orders continuous pickling line for UHSS grades from Primetals Technologies

- **Line processes 1.5 million metric tons of hot rolled strip per year**
- **Specifically designed for UHSS grades**
- **Part of the second phase of new production plant**

Chinese steel producer Shougang Jingtang United Iron & Steel Co., Ltd. (Shougang Jingtang) has placed an order for a continuous pickling line (CPL) with Primetals Technologies. The pickling line is designed to process around 1.5 million metric tons of hot rolled strip per year. It is part of the second phase of a new production plant in Caofeidian, Hebei Province. It is designed to ultra-high strength steel (UHSS) grades for high added value products to be used in automotive, bus, truck production, and for all heavy industrial applications. Start-up is planned for late 2019.

Shougang Jingtang is part of the Shougang Group, which is one of the leading steelmakers in China, with a production amounting to 27.6 million metric tons of steel in 2017. The company operates a number of CPLs, continuous annealing and continuous galvanizing lines, processing the complete range of carbon steel, but mainly focusing on value added products like for example automotive exposed and non-exposed quality or appliances.

The CPL from Primetals Technologies is designed to pickle hot rolled strip with thicknesses ranging from 0.8 to 6.0 millimeters (7.0 millimeters in the future), and widths from 750 to 1,650 millimeters, and handle coils weighing up to 33,6 metric tons. The strip speed upon entry is 650 meters per minute, the pickling itself runs at 320 meters per minute, and speeds of up to 400 meters per minute are reached in the exit section.

Primetals Technologies is responsible for engineering, manufacturing will supply all core equipment for the line. A heavy scale breaker is installed upstream of the pickling station, which has five flat turbulent pickling tanks fitted with an acid recirculating system. Downstream there is a rinsing tank with five

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compartments, water recirculation system and strip drier. The strip then passes through a skin-pass mill and a tension leveler. The strip is then side-trimmed, before passing through an inspection station, to ensure it has the required surface quality. A flying shear is installed in the exit section. Primetals Technologies will also supply the electrical and automation equipment and provide supervision of erection and commissioning. Shougang Jingtang will take care of the associated civil works and the erection of the line.



Continuous pickling line (CPL) from Primetals Technologies

This press release and a press photo are available at

www.primetals.com/press/

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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 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.