
London, December 11, 2018

Primetals Technologies to supply twin ladle furnace to Jiangsu Shagang

- **This third twin ladle furnace will enable a total of 2.8 million metric tons of liquid steel to be treated per annum**
- **Ladle furnace will improve liquid steel quality for use in continuous casting machine and allow for development of high value added products**
- **The order corroborates customer satisfaction with Primetals Technologies' twin ladle furnace technology**

Primetals Technologies has received an order from Jiangsu Shagang Group Company Limited (Jiangsu Shagang), a Chinese steel producer, to supply a third twin ladle furnace to its converter steel works in Zhangjiagang. A new 140 metric ton twin ladle furnace will be added to the two existing 120 metric ton twin ladle furnaces, which were also supplied by Primetals Technologies. The additional ladle furnace will enable the entire annual production capacity of 2.8 million metric tons of liquid steel to be treated. Also, the new ladle furnace will improve liquid steel quality for use in a continuous casting machine and allow for development of high value added products. The project is scheduled to be completed by the end of the second quarter of 2019.

With an annual production of over 38.4 million metric tons, Jiangsu Shagang is the largest private steel producer in China. The production capacity is 39.2 million metric tons of steel and 37.2 million metric tons of rolled products. The range of products includes heavy plates, hot-rolled coils, steel wire, ribbed steel and special round steels.

Steel is produced in Jiangsu Shagang with the aid of LD converters. The new 140 metric ton twin ladle furnace from Primetals Technologies will be used to help set the desired steel grades and the correct casting temperature for the downstream bloom caster. Some melts will pass through the ladle furnace twice, once before and once after vacuum treatment. A transformer with a rated power of 26 MVA will provide the electrical energy for the ladle furnace. This will enable heating power of over 4 °C per minute

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to be achieved. Primetals Technologies will be responsible for engineering the twin ladle furnace and supplying key components. The scope of supply also includes the associated electrical and automation equipment, such as the Melt Expert electrode control system and associated level 2 models. Primetals Technologies will also supervise installation and commissioning, and train the customer's staff.



Twin ladle furnace 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.

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