



## Wuhan Shunle orders two EAF Quantum furnaces and two ladle furnaces

Chinese steel producer Wuhan Shunle Stainless Steel Co. Ltd. (Wuhan Shunle) has placed an order with Primetals Technologies to supply two EAF Quantum electric arc furnaces and two ladle furnaces for its production site in Hubei Province. The EAF Quantum furnaces are designed to handle scrap steel of vary varied composition and quality. The electrical energy requirement of the electric arc furnaces is extremely low because the scrap is preheated. This reduces both the operating costs and the CO<sub>2</sub> emissions. The twin ladle furnaces set the desired steel grades and the correct casting temperature. The new furnaces are scheduled to be commissioned in the third quarter of 2019.

Wuhan Shunle manufactures and distributes steel products. The company produces screw thread steels, steel wires, steel tubes, carbon steels, alloy steels, stainless steels, and other products. For the new EAF Quantum electric arc furnaces and the twin ladle furnaces, Primetals Technologies will supply the



complete mechanical and electrical process equipment and the automation technology. This includes the automated scrap yard management, the automated charging process, automation of the oxygen injection and sand refilling, as well as the Level 2 automation which makes the plant ready for Industry 4.0.

The EAF Quantum developed by Primetals Technologies combines proven elements of shaft furnace technology with an innovative scrap charging process, an efficient preheating system, a new tilting concept for the lower shell, and an optimized tapping system. This all adds up to very short melting cycles. The electricity consumption is considerably lower than that of a conventional electric arc furnace. Together with the lower consumption of electrodes and oxygen, this gives an overall advantage in the specific conversion cost of around 20 percent. In comparison to conventional electric arc furnaces, total CO<sub>2</sub> emissions can also be reduced by up to 30 percent per metric ton of crude steel. ■

## Maanshan Iron & Steel Co., Ltd. rolls first bar on 3-roll RSB® 5.0



Maanshan Iron & Steel Co., Ltd. (Masteel) has successful commissioned the new small bar mill incorporating a Reducing & Sizing Block (RSB®) 370++/4 in 5.0 design by Friedrich KOCKS GmbH & Co KG. The

KOCKS 3-roll RSB® 5.0 is the core equipment in the new 400.000 t/a SBQ Mill which is finishing straight bars for automotive, aerospace and mechanical engineering applications within a dimension range of Ø 16.0 – 100.0 mm at a maximum speed of 18 m/s.

Beside the RSB® also the real-time closed-loop control system SCS® (Size Control System), a light section profile measurement gauge 4D EAGLE® and the Thermo-Mechanical-Rolling (TMR) process including automation was supplied according to a press release.

## China's economy continues to grow

As the flagship event in wire, cable, tube and pipe industry, the 8th All - China International Wire & Cable Industry Trade Fair (wire China) and the 8th All - China International Tube & Pipe Industry Trade Fair (Tube China) presented the industry with a "grand feast" in this September. With the care and support from all walks of industry, the exhibition concluded on Sep. 29th at Shanghai New International Expo Center with great success. The organizers once again joined hands with China Fastener Info to hold the Fastener Shanghai in Hall E4, co-located with wire & Tube China 2018, which effectively connected upstream and downstream enterprises in related industries. ■

This section is a compilation from various company press releases, business dailies, trade publications and Industry Websites.