

PR-article

Hilden, 17th of May, 2017

[Maanshan Iron & Steel Co., Ltd. orders 3-roll RSB[®] 5.0 with SCS[®], 4D EAGLE and TMR Equipment from KOCKS](#)

Maanshan Iron & Steel Co., Ltd. (Masteel) has placed an order with Friedrich KOCKS GmbH & Co KG for a Reducing & Sizing Block (RSB[®]) 370⁺⁺/4 in 5.0 design with SCS[®] (Size-Control-System), 4D EAGLE (light section measuring gauge) and Thermo-Mechanical-Rolling (TMR) process.

Masteel, is one of the largest iron and steel enterprises in Mainland China headquartered in Maanshan, Anhui Province. The state owned company was founded in 1958 and 1993 split into Magang (Group) Holding Company and Maanshan Iron & Steel Company Limited.

With an annual steel production of around 19 Mio.t, Masteel is ranked among the 15 biggest steel producing companies in the world.

The KOCKS 3-roll RSB[®] 5.0 with 4 stand positions will be installed as core equipment in the new 400.000 t/a SBQ Mill, 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.

The RSB[®] 5.0 will be located behind a continuous roughing and intermediate mill consisting of 22 stands in H/V arrangement and is designed for temperature controlled rolling at low temperatures

At the core of the future-oriented RSB[®] is the real-time closed-loop control system SCS[®] (Size Control System), which further improves the rolled tolerances and simplifies the operation due to automated optimization of the roll gap settings and motor rpms.

The KOCKS 4D EAGLE measuring gauge is a perfect complement to the SCS[®]. It integrates the newest technologies and meets the highest requirements of most modern rolling mills for full process transparency.

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Furthermore, the Thermo-Mechanical-Rolling (TMR) process, including the KOCKS Process Simulator (KPS) and the appropriate automation package, completes the scope of supply.

The KPS in combination with its advanced automation system ensures a precise temperature control of the bars and thus an optimal adjusted cooling process at any time, which assures subsequently desired material properties of the final product.

Masteel follows consequently its company spirit of “pioneering, innovation and creation” with the implementation of the KOCKS core technologies in order to occupy the market with varieties and quality.

The commissioning is scheduled for mid- 2018.

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