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## **PRESS-RELEASE**

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### Cost-efficient production of premium SBQ products

### **Qingdao Iron and Steel successfully commissions SBQ rolling mill from SMS group**

On February 19th, 2016, Qingdao Iron and Steel, based in Qingdao in the Chinese province of Shandong, rolled the first bar on the SBQ (Special Bar Quality) rolling mill supplied by the SMS group ([www.sms-group.com](http://www.sms-group.com)). The rolling mill is designed to produce premium SBQ products with excellent mechanical properties and optimized microstructure, while complying with most exacting dimensional tolerances. The first bars were already rolled with a diameter tolerance better than 1/6 DIN.

The centerpiece of the rolling mill is a 3-roll precision sizing mill, type PSM<sup>®</sup> 380/5, which is capable of rolling any final diameter between 16 and 100 millimeters.

The hydraulic screwdown under rolling load allows any customized sizes to be economically produced also in small lots. The 3-roll PSM<sup>®</sup> features a MEERgauge<sup>®</sup> system for cross-section measurements as well as a Monitor Control Technology module. In addition to these, further modules like the Technological Control System (TCS) and the Controlled Cooling Technology (CCT<sup>®</sup>) module provide the possibility of online correction of the roll settings and ensure optimized temperature control in the rolling line.

With the newly built SBQ mill, Qingdao Iron and Steel Group is expanding its market leadership and growing its product portfolio into the segment of premium SBQ products. The new mill is designed for an annual capacity of about 700,000 tons of bar steel.

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