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PRESS RELEASE

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Finishing mill in Tianjin Zhongwang's aluminum hot rolling line expanded by SMS group

Successful line expansion as a secure basis for the production of the complete range of aluminum hot strip grades



Installation of the new mill stand in position F1 of the finishing train.

In Tianjin, near Beijing, Chinese aluminum producer Tianjin Zhongwang Aluminium Co. Ltd. operates two high-capacity aluminum hot rolling lines supplied by SMS group. In January 2018, one of the two lines in 1+1+3 configuration, i.e. two reversing roughing stands and a three-stand finishing mill, received a further finishing stand. SMS group completed the line expansion to 1+1+4 configuration during a shutdown period of only 23 days. The first coil was successfully rolled on January 26, 2018, one day ahead of schedule.

Being in position one of the finishing train, the new, high-performance stand accomplishes the major part

of the forming work. The new stand F1 is of 4-high design, like the three existing stands. It features latest actuation and control systems, such as CVC[®] plus (Continuously Variable Crown) roll shifting technology, a rolling technology package specifically designed for aluminum hot rolling and X-Pact[®] electrical and automation systems. The technology package includes a wide range of technological features such as hydraulic actuation systems and cooling, lubrication, measuring and cleaning systems designed to achieve the required mechanical properties and an excellent strip surface quality.

Along with the installation of the additional finishing stand, SMS group modified related plant equipment to make it suitable for the new and higher product quality requirements and for the increased line capacity. Especially for low-temperature rolling, a newly developed blow-off and suction system has been installed in the exit section of the finishing mill. The newly added finishing stand provides the line the high flexibility needed to roll the complete range of aluminum hot strip grades in widths up to 2,900 millimeters and thicknesses between 2.2 and 12 millimeters.

Tianjing Zhongwang Aluminium was very happy about the fact that the high-capacity hot rolling line could resume regular three-shift production only three days after commissioning.



The first aluminum hot coil rolled in the expanded finishing mill.

SMS group is a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It has some 13,500 employees who generate worldwide sales of more than EUR 3 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.