

Winding of high-strength grades with strip widths of up to 2,000 mm

SMS Siemag modernizes coiler at Wuhan Iron & Steel

Wuhan Iron & Steel, China, has placed an order with SMS Siemag, Germany, (www.sms-siemag.com) to modernize a coiler in the Hot Strip Mill No. 2. The aim of the modernization is to enable the Coiler No. 3 to wind hot strip with a higher strength and in greater thicknesses.

The Hot Strip Mill No. 2 of Wuhan Iron & Steel (WISCO), supplied by SMS Siemag, commenced operation in 2003 and was the first hot strip mill in China with a strip width of more than 2,000 millimeters. With this modernization, Wisco intends to expand the range of products in the area of high-strength steels and tube grades. In spring 2015, following the revamp of the coiler, WISCO will, for example, be able to wind tube grades of strength class X100 up to a thickness of 20 millimeters.

The modernization by SMS Siemag comprises the technological adaptation of Coiler No. 3 to the new demands and the installation of new core components. These include a new coiler mandrel, a new mandrel gear unit, the pinch roll unit and new hydraulic valve stands. A new hydraulically controlled hold-down roll ensures reliable guiding of the strip head end to the coiler mandrel and enables the build-up of strip tension for tightly wound coils. For reliable discharge and safe

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SMS Siemag AG is a company of the SMS group which, under the roof of the SMS Holding GmbH, consists of a group of global players in machinery and plant construction in steel and nonferrous metals processing. Its workforce of more than 13,500 employees generates sales worldwide totaling EUR 3.3 billion.

processing of the coils, the coiler will receive a further-developed coil transfer car and a patented coil hold-down device.

SMS Siemag will be extending the existing automation system for the coiling of high-strength steels and will install new control desks and HMI (Human Machine Interface) operator screens. For the modernization of Coiler No. 3, SMS Siemag will also be supplying the complete drive package (converter and motor) for the coiler mandrel and for the pinch roll unit.