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SMS to supply new cold rolling mill to Vietnam-based Nam Kim Steel

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Germany-based plantmaker SMS Group has announced that Vietnamese steel producer Nam Kim Steel Joint Stock Company has ordered a new cold rolling mill from Esmech Equipment Pvt, Ltd., an Indian joint venture company of SMS Group, to expand its production facilities located in Binh Duong Province, Vietnam. The core rolling technological components of the new mill will be manufactured by SMS Group in Germany.

The new cold rolling mill, which will be ready to use in the second quarter of 2017, will roll strips in a width range of 650-1,250 millimeters and down to final gages of a minimum of 0.11 millimeters.

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SMS group to supply third six-high cold mill to Nam Kim Steel



Vietnamese steel producer Nam Kim Steel Joint Stock Company has reiterated their trust in SMS group technology (www.sms-group.com) by ordering a third cold rolling mill from Esmech Equipment Pvt, Ltd., an Indian joint venture company of SMS group.

Nam Kim Steel has been systematically expanding their production facilities located in the Binh Duong Province, near Ho Chi Minh City, trusting in equipment and technology from SMS group.

Esmech already supplied a first six-high CVCplus® Reversing Cold Mill (RCM) to Nam Kim. That mill has been in operation since 2015. Furthermore, installation of a two-stand Compact Cold Mill (CCM®), also in six-high CVCplus® design, is underway at Nam Kim. Commissioning is scheduled to take place early in 2017.

The most recent order is a seamless continuation of the previous mill supplies. With both the first RCM and the CCM® installed, Nam Kim Steel will already boast a nominal capacity of almost 650,000 tons per year. By integrating the second RCM, Nam Kim Steel will add another 200,000 tons of production capacity per year. That additional capacity will be ready to use in the second quarter of 2017.

The core rolling technological components of the new mill will be manufactured by SMS group in Germany, as had also been the case with the two previously supplied mills. The supply will be complete with X-Pact® electrical and automation systems and an X-Shape flatness measurement and control system.

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The plant concept comprises a pay-off reel and two reversing reels, one at the entry and one the exit side, for winding the thin rolled strips. For a careful start of winding of the thin strips, the reversing reels will be provided with belt wrappers running around spools.

The new RCM will roll strips between 650 and 1,250 millimeter wide down to final gages of a minimum of 0.11 millimeters from entry thicknesses of up to four millimeters. Maximum rolling speed will be 1,400 meters per minute.

The required strip quality is ensured by proven actuators, such as the CVCplus® technology developed by SMS group, which will be used in combination with positive and negative work and intermediate roll bending. The RCM will also feature premium-quality measurement equipment such as the X-Shape flatness measurement roll, which stands out for its high sturdiness due to the fact that its surface is completely closed, the highly precise flatness measurements and the very reliable and maintenance-free optical signal transmission. Two such rolls will be installed, one at the entry and one at the exit side of the mill.

The supply scope will also comprise all necessary auxiliary equipment, such as high and low-pressure hydraulics, the emulsion plant and fume exhaust and filter systems.

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