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PRESS RELEASE

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SMS group receives follow-up order from Outokumpu Nirosta

Clean rolling oil for bright strips

As part of an upgrade of its 20-roll cold rolling mill “SG 3” in Krefeld, Germany, Outokumpu Nirosta GmbH Krefeld has placed a follow-up order with SMS group (www.sms-group.com) covering the revamp of the existing rolling-oil treatment plant.

The Outokumpu group is one of the world’s leading producers of high-grade stainless steels. The 20-roll cold rolling mill “SG 3” in monoblock design built by SMS group is more than 45 years old. It is used for the production of high-grade stainless steel strip. In September 2014, Outokumpu Nirosta had placed an order with SMS group for upgrading the rolling mill equipment, allowing this mill to be used also for rolling ferritic grades in thin gages and high-gloss quality (2R bright annealed). In March 2015, SMS group received a follow-up order from Outokumpu Nirosta encompassing the upgrade of the rolling-oil treatment plant, making it suitable for the production of these high-gloss grades. A part of the equipment will be retained and continued to be used. Key equipment to be newly installed includes a dirty-oil tank with automatic pre-separation and the ultra-fine filter system SUPAFINE[®] developed by SMS. In future, vertical filter pumps will convey the rolling oil containing contaminations from the rolling process out of the dirty-oil tank to the SUPAFINE[®] filter

system, where it will be cleaned. The cleaned oil will be fed to the clean-oil tank and reused in the rolling mill.

The mixture of rolling oil and abrasive material resulting from the backwashing of the SUPAFINE[®] filters will be treated in a second filtration stage and the thus recovered rolling oil will be recycled back into the system. The employed backwashable SUPAFINE[®] filter elements achieve an extremely high filtration grade without requiring any filter aids – and hence without the otherwise arising high consumables and disposal costs.

Customers around the world are convinced of the performance and economic efficiency of the SMS group's SUPAFINE[®] filter system, as is proved by the fact that as many as 210 SUPAFINE[®] filter units have already been installed worldwide.

As requested by Outokumpu Nirosta, SMS will perform and complete the work on the mechanical equipment of the mill stand and on the rolling-oil treatment plant within a very tight time schedule in the course of this year, guaranteeing that Outokumpu Nirosta can start producing the desired grades on this mill before the end of the year.

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Ready for new tasks: the SMS 20-roll cold rolling mill at Outokumpu Nirosta GmbH Krefeld.



Example of a rolling-oil treatment plant using a SUPAFINE[®] filter system.

New:

Don't miss out on the latest news, comprehensive background reports and key information about the SMS group's activities at the trade fairs. The Push News function of the SMS group App immediately inform you about any new SMS group information posted on the press portal. The Push News function works with smart phones and tablets (iOS or Android). Also readable via the App are our SMS group newsletters. Download the App onto your mobile terminal device now: www.sms-group.com/app.



The SMS group, under the roof of SMS Holding GmbH, is a group of global players in machinery and plant construction for the steel and nonferrous metals industry. More than 14,000 employees generate global sales of some EUR 3.4 billion.