

PRESS RELEASE

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Salzgitter Flachstahl commissions SMS group to revamp continuous caster No. 1



The four continuous casters at the Salzgitter Flachstahl plant were supplied by SMS group. Photo: Salzgitter Flachstahl.

Salzgitter Flachstahl has commissioned SMS group to revamp continuous caster No. 1 at its Salzgitter works. The plant, which was delivered by SMS group in 1981, is to be fitted with a new machine head with mold, oscillator, and segment 0.

The revamp is aimed at upgrading the plant with a range of trendsetting features, including the use of a hydraulic resonance oscillator and the digital alignment

assistant HD LASr [mold].

The scope of supply covers the engineering, the delivery of mechatronic components, the dismantling, and the installation and commissioning of the new equipment. An innovative solution will be used for mounting segment 0 in the machine head. This solution is the result of intensive and successful cooperation between Salzgitter Flachstahl and SMS group.

The revamp is set to take place during a scheduled plant shutdown in October 2020.

Salzgitter Flachstahl plans to measure and align molds in its maintenance workshop using the digital HD LASr (High Definition Laser Aligning System remote) alignment assistant, which was developed by SMS group. The ability of HD LASr [mold] to align the molds perfectly has a great influence on the quality of the slabs. In addition, SMS group will supply a new, universal mold alignment and service stand for the workshop. The aligning stand can be used for the molds in all four continuous casters and their respective casting widths.

Salzgitter Flachstahl GmbH produces around 4.7 million tons of steel every year in its integrated iron and steel works and its four continuous casters. The portfolio of advanced grades includes thin sheet (ULC and LC), strength grades up to microalloyed tube steels, for example API X70/X80, and carbon steels up to C 80.

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 14,000 employees who generate worldwide sales of more than EUR 2.8 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.