

PRESS RELEASE

Düsseldorf, November 05, 2019

First coil at Nucor Steel Gallatin's pickling and galvanizing line with unique "heat-to-coat" technology by SMS group

Extended production of processed hot strip in the U.S.A.

SMS  group

NUCOR
NUCOR STEEL GALLATIN

"Heat-to-Coat"

U-Shape Hot Strip Pickling and Galvanizing Line

Ghent, Kentucky, USA



Nucor Gallatin's new line by SMS group stands out with the compact and operator-friendly U-shape design, and the high capacity and strip cross-section range.

Pickling and galvanizing of the first coil in September 2019, marked the production start of the new pickling and galvanizing line at Nucor Steel Gallatin in Ghent, Kentucky, in the U.S.A. SMS group delivered the whole line out of one hand as a system supplier and is responsible for engineering, process technology, furnace technology, pickling and galvanizing technology as well as electrical and automation systems. The "heat-

to-coat” technology is characterized by the compact and operator-friendly U-shape design, the turbulence pickling system, the high-power inductive heating system, the FOEN[®] galvanizing equipment and the Drever after-pot cooling system.

The line is designed to produce 500,000 tons of galvanized hot strip per year with a maximum capacity of 180 tons per hour and a large strip cross section (up to 6.35 millimeter thickness and up to 1,854 millimeter width), which sets a new standard in hot strip galvanizing. There is a broad area of applications for the material, especially in construction, transportation and in the automotive industry and it is possible to substitute galvanized cold strip with hot strip.

The “heat-to-coat” process based on SMS patented technology excels with its high profitability, as all processes take place in a single facility. The process permits the production of galvanized steel strip with durable corrosion protection, an appealing visual appearance, as well as an increased mechanical load-capacity while still maintaining low production and investment costs.



The first pickled and galvanized hot strip coil in September 2019.

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.