

## **PRESS RELEASE**

Düsseldorf, December 14, 2007

### New order for SMS Demag AG from South Korea

#### **Hyundai Steel orders heavy-plate rolling mill**

Hyundai Steel Corporation, South Korea, has placed an order with SMS Demag, a company of the SMS group, Germany, for the supply of a 5-m heavy-plate rolling mill. The new facility is being built in Dangjin on the east coast of South Korea and will go into operation in late 2009.

Our supply scope comprises the mechanical and automation systems for the entire process line, with finishing stand, hot plate leveler, cooling beds, shearing line and finishing line with cold plate leveler.

The new works is designed for the production of plates in widths between 900 and 4,800 mm and thicknesses from 6 to 200 mm. Hyundai Steel wishes to concentrate above all on the manufacture of ship plates, though it will also be supplying plates to the construction and mechanical engineering industries as well as pipe grades. The annual production is around 1.5 million t of finished plate and can be expanded to 2 million t by installing a roughing stand.

The mill stand possesses a rolling force of 100 MN and is equipped with CVC plus<sup>®</sup> technology to enable close profile and flatness tolerances to be observed. The plate cooling system is designed as a laminar cooling system. Provision has already been made for expanding the system to include a pre-leveler and spray cooling. All

four shears of the shearing line operate according to the rolling-cut principle. Furthermore, the dividing and cropping shears are of closed-type design, which serves to further optimize the cut-to-length accuracy and edge quality above all for high-strength plates. The mill is equipped not only with a hot plate leveler but also a cold plate leveler in 9/5 design with an extended leveling range, thus ensuring excellent plate flatness.

The entire automation system will be set up in our test facilities beforehand and tested according to the Plug & Work concept. Plug & Work simulates the production sequence and allows the automation functions to be tested and optimized under realistic conditions prior to installation in the works.

(34 lines with max. 55 letters)