

PRESS RELEASE

Düsseldorf, June 28, 2011

Order from Hyundai Steel

**SMS Siemag expands the 5.0-m heavy-plate mill
for Hyundai Steel**

Hyundai Steel, Republic of Korea, has placed an order with SMS Siemag, Germany, for the expansion of its 5.0-m heavy-plate mill in Dangjin, Republic of Korea. The 5.0-m heavy-plate mill went into operation in December 2009 and was completely supplied by SMS Siemag. By expanding the mill, Hyundai Steel can increase its production from 1.5 to 2.0 million tpy and enhance its product range. The upgrade will take place in several stages in 2013.

The order includes a new roughing stand with edger, the expansion of the plate cooling system, an additional cooling bed, a second dividing shear as well as new pilers and roller tables in the plate yard. The entire X-Pact[®] automation for these facilities is likewise part of SMS Siemag's supply scope.

The new roughing stand has a roll force of 100 MN and is equipped with hydraulic adjustment system. An edger is flanged-on at the exit side of the stand for precise adjustment of the plate width.

SMS Siemag will be extending the existing laminar cooling section of the mill to include a spray cooling system with a pre-leveler. The combination of spray and laminar cooling provides Hyundai Steel with a wide spectrum of cooling strategies and thus enhances its product

range. The pre-leveler in the entry section of the plate cooling system eliminates any unflatness in the entering plates and thus ensures a uniform cooling effect.

The new dividing shear will be installed parallel to the existing dividing shear and, like this, is designed for cutting high-strength plates with a thickness of up to 50 mm.

Like with the plant which has already been supplied, the new facilities will also be operating with SMS Siemag's X-Pact[®] Level 1 and Level 2 automation system.

Together with the expansion of the 5.0-m mill, Hyundai Steel has also placed an order with SMS Siemag for the construction of a new 4.3-m heavy-plate mill. With these investments, Hyundai Steel will be increasing its heavy-plate capacity in Dangjin to a total of 3.5 million tpy.

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