

PRESS RELEASE

Düsseldorf, July, 21, 2006

Order for SMS Demag AG

Tiantie orders coupled pickling line/tandem cold mill

Tianjin Tiantie Metallurgical Group Steel Plate Co. Ltd., Tianjin, China, has commissioned a consortium under the leadership of SMS Demag, Germany, with the supply of a pickling line coupled with a five-stand, six-high tandem cold rolling mill with CVC^{Plus} technology.

The coupled pickling line/tandem cold mill will already become operational in two years' time. 1,580,000 t of pickled, cold-rolled steel strip in gages from 0.25 to 2 mm and widths from 700 to 1,600 mm will be produced each year on the facility. The cold strip will be utilized mainly in the automotive and household appliances industries.

The coils arriving from the hot rolling mill will be joined to form an endless strip by means of a laser-type welder and will be cleansed of scale deposits through pickling. Following this, the material will be reduced to the desired final gage, which may be as little as 0.25 mm, in the five-stand rolling mill. Rolling speeds of up to 1,250 m/min will be attained during this process. The rolled strip will then be recoiled onto a carrousel reel. To ensure continuous operation, which will clearly enhance the product quality and considerably lower the energy consumption, the facility features three horizontal strip accumulators and two coil inspection stations.

The supply scope for the pickling line comprises a tension leveler unit with drive system, a turbulence pickling line with a pickling optimization model, and a trimming shear. The pickling line is equipped with energy-saving, patented immersion covers and thus conforms to the strict environmental requirements.

Included in the supply scope for the tandem mill are the mill stands with CVC^{Plus}6 technology, the dry strip system and the stand piping in modular construction. In addition, SMS Demag will be supplying a rotating drum shear which cuts the cold strip at high speeds while the process is running. The carousel reel from SMS Demag ensures the continuous recoiling of the cold strip without interruption to the continuous pickling and rolling process.

The commissioning of the pickling line/tandem cold mill is scheduled for March 2008.

SMS Demag AG forms part of the Metallurgical Plant and Rolling Mill Technology Business Area of the SMS group.

(37 lines with max. 55 letters)

SMS GmbH is the holding for a group of companies internationally active in plant construction and mechanical engineering relating to the processing of steel, non-ferrous metals and plastics. The group is divided into the Business Areas of Metallurgical Plant and Rolling Mill Technology, Tube, Long Product and Forging Technology and Plastics Technology. In the year 2005 some 9,250 employees worldwide generated a turnover of about EUR 2.33 bn.