

PRESS RELEASE

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Order for SMS Siemag from China

Shougang Jingtang orders a continuous annealing line for the production of tinplate

Shougang Jingtang (Shougang Jingtang United Iron & Steel), China, has placed an order with SMS Siemag, Germany, for the supply of a continuous annealing line. This is already the third annealing line being erected by SMS Siemag in the works on Caofeidian Island, an artificially constructed island off the coast of the Chinese province of Hebei. The line will produce tinplate, which will then be electroplated and used as packaging material. The line is scheduled to go into operation in mid-2013.

The annealing followed by reduction and surface treatment provides the strip in the annealing line with the material and surface properties necessary for the subsequent processing. An outstanding feature of the line is that it can reliably process very thin strips (down to 0.12 mm) under stringent quality demands and at very high speeds. The process thus runs continuously at 750 m/min, but in the entry and exit sections it can even reach 1,000 and, respectively, 1,100 m/min. A further special characteristic is the possibility of rolling strips at a degree of reduction of up to 42 %.

The supply scope therefore includes a two-stand inline reduction and skin-pass mill (DCR, Double Cold Reduction), which is able to attain grades of DR10. Also being supplied is a two-stand offline DCR for

the semi-continuous production of tinplate from a batch annealing furnace. The offline DCR also serves as a skin-pass mill for standard steel grades from a pickling line/tandem cold mill.

Essential components of the annealing line are two pay-off reels, a roller-seam welding machine, creep looper, cleaning section, vertical entry accumulator, annealing furnace, DCR mill, inspection accumulator, inspection stand, DUMA oiler, flying shear and two tension reels. The line is designed for strips in the thickness range between 0.12 and 0.55 mm in widths of 700 to 1,280 mm. The materials T2,5, T3, T4, and T5 as well as DR7 to DR10 are produced.

Shougang Jingtang is a joint venture between Shougang Iron & Steel and Tangshan Iron & Steel. The new annealing line is already the third line of this type to be erected by SMS Siemag on Caofeidian Island. The other two lines went successfully into operation already in 2009 and 2010.

(38 lines with max. 55 letters)