

PRESS RELEASE

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Habaş orders a continuous caster and a hot strip mill from SMS Siemag and moves into the production of flat products

The Turkish steelmaker Habaş A.S. has requested SMS Siemag, Germany, to supply a continuous slab caster and a hot strip mill. Besides the mechanical equipment, the supply scope for the hot strip mill includes the entire automation package. The new facilities are being built in Aliağa on the Turkish Aegean coast and are to go into operation at the end of 2013. Habaş will thereby be moving into the production of flat products.

The two-strand continuous slab caster is designed for an annual production of 2.5 million t and will produce slabs in thicknesses of 200 mm and 225 mm and in widths of 1,000 mm to 2,100 mm. The caster, designed as a vertical bending plant, is equipped with a resonance oscillator so as to ensure that the slabs have a high surface quality. Furthermore, the dynamic segment adjustment with patented soft-reduction technology helps to achieve maximum internal quality of the slabs.

In the first construction stage, the compact hot strip mill is designed for an annual production of 2.5 million t of hot strip. The capacity can be gradually extended to 4.5 million tpy. The strip widths vary between 700 mm and 2,100 mm and the strip gages between 1.2 mm and 25.4 mm. On the mill, Habaş can produce a wide range of

carbon steels and multiphase steels as well as pipe grades up to strength class X80.

The main components of the hot strip mill in the first construction stage are a four-high reversing roughing stand with edger, a mandrellesscoilbox, a drum-type crop shear, seven finishing stands with CVC[®] plus, the laminar cooling section, two downcoilers and a pallet transport system including an inspection line. The strip cooling is equipped with reinforced cooling groups. These allow Habaş to benefit from high cooling rates and differentiated cooling strategies for the production of special grades. The two downcoilers are designed as UNI plus coilers for the winding of high-strength pipe grades up to a strip gage of 25.4 mm.

The supply scope of the X-Pact[®] automation package includes the Level-1 and Level-2 systems with the process models, technological measuring systems, instrumentation, sensors, industrial camera system and a common HMI for both automation levels. The drive systems with their converters and all motors, main and mill pinion gear units, as well as the drive spindles for the compact hot strip mill at Habaş are also included in SMS Siemag's supply.

The mechanical core components decisive for product quality are being produced by SMS Siemag in its Hilchenbach workshops. The automation system is tested and optimized by using the proven Plug & Work method prior to commissioning in the Habaş works.

(45 lines with max. 65 letters)