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## **PRESS RELEASE**

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450,000 tons of high-quality steel strip per year in South China

### **First coil on Angang's new galvanizing line from SMS group**

The heat treatment and galvanizing of the first coil marked the start-up of the new continuous galvanizing line built for Angang (Angang Guangzhou Auto Steel Co.) near the city of Guangzhou in the province of Guangdong, China. As one-source supplier, SMS group ([www.sms-group.com](http://www.sms-group.com)) was responsible for the engineering, the process, furnace and galvanizing technology as well as the electrical and automation systems for the complete plant.

Upon completion of the commissioning phase, the line will be able to produce 450,000 tons of galvanized or galvannealed steel strips per year, serving the automotive and home appliances industries in South China and the Pearl River Delta. Most notably, deep-drawing grades and high-strength steels for the automotive industry will be produced, including modern dualphase steels. Aside from automotive structural components, strips with a high-quality steel surface will be produced for use in exposed vehicle parts.

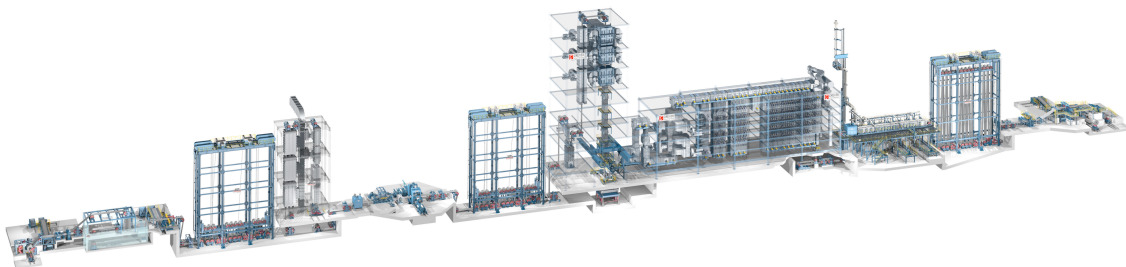
To achieve high cooling rates, a vertical radiant tube furnace with an ultra-fast cooling system from Drever has been integrated. A further highlight of the furnace is the pre-oxidation chamber, which allows steel grades with high manganese or silicon contents to be galvanized without wettability problems. A high-quality air-knife

system from DUMA-BANDZINK has been integrated for the galvanizing process. Highest surface qualities are achieved, among other things, due to modern facilities such as a patented radial controller, an automatic air knife lip cleaner and a knife gap width adjustment system. Drever and DUMA-BANDZINK are both companies of SMS group.

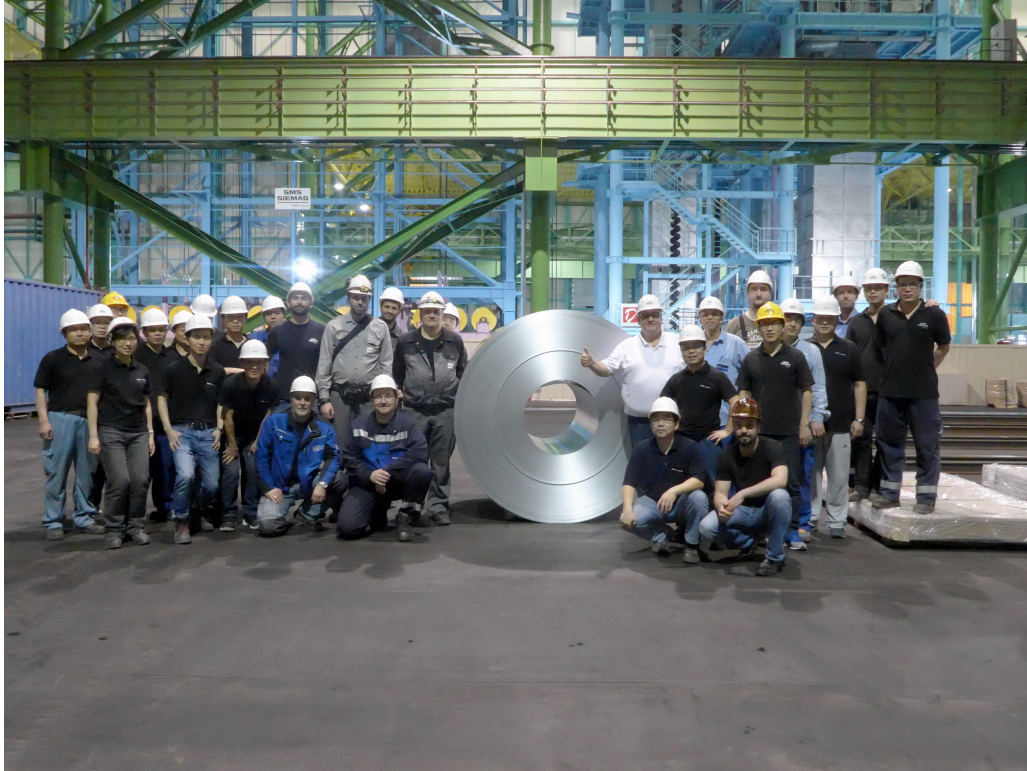
Further components decisive for the high quality achieved by the continuous galvanizing line are the high-performance cleaning section, the four-high skin-pass mill, the tension leveler, the vertical roll-coater with a Drever drying and cooling system, the ASC side trimmer with integrated scrap chopper and the electrostatic DUMA-BANDZINK oiling machine.

The line is designed for strips with dimensions of typical car sheets. In the process section the strip will be coated with zinc at a process speed of up to 160 m/min, whereas in the entry and exit sections speeds of up to 220 m/min can be attained. The steel grades produced will include CQ, DQ, DDQ, EDDQ, HS and DP.

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After completion of commissioning the new Angang continuous galvanizing line in Guangzhou, China, will produce 450,000 tons per year of high-quality galvanized or galvannealed cold-rolled strip for the automotive industry.



The commissioning team with first the first galvanized coil.

The SMS group is a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. Its 14,000 employees generate sales of over EUR 3.3 bn.