

PRESS RELEASE

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SMS group high-speed wire rod mills at Guangdong Guoxin operate at 120 meters per second

Smooth commissioning and safe operation



The smooth commissioning of the mill and the safe operation at a rolling speed of 120 meters per second completely fulfilled Guoxin Industrial Co., Ltd. expectations.

Chinese Guangdong Guoxin Industrial Co., Ltd. has

awarded SMS group the Final Acceptance Certificate after successful commissioning of the two single-strand wire rod mills for its Jieyang works, Guangdong province.

The works is designed for an annual capacity of 1.4 million tons (700,000 tons per year per wire rod mill). The two single-strand high-speed mills roll wire rod in diameters from 5.5 to 25 millimeters and rebars in diameters between 6 and 14 millimeters. The originally planned rolling speed of up to 105 meters per second has been exceeded; wire rod sizes have already been rolled at speeds of 120 meters per second. The steel grades to be rolled comprise cold-heading, alloyed, spring and stainless steels as well as tire cord and welding wire.

SMS group supplied the high-speed area mechanical equipment starting from the four-stand pre-finishing mill, shear system in front of the finishing block, 6+4-stand finishing block arrangement, pinch roll, loop laying head and all related water boxes. Due to the well proven 6+4-stand arrangement, all final dimensions can be finish-rolled in a maximum of four passes and thus be rolled thermomechanically, i.e. at low temperatures and with close dimensional tolerances.

Besides the mechanical equipment, SMS group provided the electrical and automation system for the complete line (including motors, drives and sensors), and was responsible for the supervision services for erection and commissioning.

SMS group is a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It has some 13,500 employees who generate worldwide sales of more than EUR 3 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.