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Gerdauro Ouro Branco issues Final Acceptance Certificate for Steckel mill supplied by Primetals Technologies

- **Mill produces 800.000 metric tons of hot-rolled coil per year**
- **Part of a major project for the production of flat carbon steel in Brazil**
- **Primetals Technologies supplied complete mechanical, electric and automation equipment**

Brazilian steel producer Gerdau has issued the Final Acceptance Certificate (FAC) for a new Steckel mill supplied by Primetals Technologies for its Ouro Branco production site in the state of Minas Gerais. The Steckel mill has an annual capacity of 800,000 metric tons of hot-rolled coil and was part of a major order placed with Primetals Technologies in 2010, comprising the complete mechanical, electrical and automation equipment.

Gerdauro is the leading long steel producer in the Americas and a leading global supplier of special steels. Gerdauro has industrial operations in 14 countries in the Americas, Europe and Asia with combined installed production capacity of more than 25 million metric tons of steel per year. It is also the largest recycler in Latin America and around the world transforms millions of tons of scrap into steel each year.

The Steckel mill is part of an investment program for the Ouro Branco Steel Works, which is intended to establish the Gerdauro as a flat carbon steel producer in Brazil. Under the investment program, Gerdauro also ordered a plate mill and a two-strand continuous slab caster from Primetals Technologies. The end products include not only high grade plates for API (American Petroleum Institute) linepipes, but also for shipbuilding, the construction industry and pressure vessels.

Primetals Technologies supplied all the mechanical equipment for the Steckel mill, including the Steckel rolling stand with coiler furnaces, a crop shear, a laminar flow cooling section, and the downcoiler with its associated coil handling devices as well as the complete electrical and automation equipment. The rolling line is designed producing steel strip ranging in width from 900 to 2,100 millimeters and in thicknesses between 2 and 20 millimeters. The main drives of both rolling mills are equipped with non-

salient pole synchronous motors powered by Sinamics SM150 voltage source converters. The scope of supply also covers the complete instrumentation, the measuring system and the automation, and includes all the technological control systems and process models. The project also included the complete power supply, including high, medium and low voltage switchgear. The scope of supply was rounded off by fluids systems and the water treatment plants for the two rolling lines. Primetals Technologies also was responsible for supervising the installation and commissioning of the equipment supplied.



Steckel mill supplied by Primetals Technologies for the Ouro Branco production site of Brazilian steel producer Gerdau Ouro Branco in the state of Minas Gerais

This press release and a press photo are available at

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Primetals Technologies, Limited headquartered in London, United Kingdom is a worldwide leading engineering, plant-building and lifecycle services partner for the metals industry. The company offers a complete technology, product and service portfolio that includes integrated electrics, automation and environmental solutions. This covers every step of the iron and steel production chain, extending from the raw materials to the finished product – in addition to the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a joint venture of Mitsubishi Heavy Industries (MHI) and Siemens. Mitsubishi-Hitachi Metals Machinery (MHMM) - an MHI consolidated group company with equity participation by Hitachi, Ltd. and the IHI Corporation - holds a 51% stake and Siemens a 49% stake in the joint venture. The company employs around 9,000 employees worldwide. Further information is available on the Internet at www.primetals.com.