

Phone: +49 (0) 211 881-4449  
Fax: +49 (0) 211 881-4386  
E-mail: [thilo.sagermann@sms-group.com](mailto:thilo.sagermann@sms-group.com)  
Thilo Sagermann

## **PRESS RELEASE**

Düsseldorf, May 30, 2008

### Order for SMS Demag AG

#### **Peiner Träger orders EAF meltshop X-Melt and first combined continuous slab/beam blank continuous caster**

Peiner Träger GmbH, Peine, Germany, a company of the Salzgitter Group, has awarded SMS Demag, a company of the SMS group, Germany, a contract for the supply of an X-Melt electric arc furnace meltshop and for the revamp of a continuous beam-blank caster to an X-Cast combined slab/beam-blank caster. Facing the job of meeting stricter steel quality requirements, the new facilities will almost double the current annual production of around 1 million t of steel.

SMS Demag's supply includes a 125-t ARCCCESS<sup>®</sup> electric arc furnace with additives supply system plus two 125-t ladle furnaces. Concast AG, Switzerland, another company of the SMS group, has won the contract for the supply of a 125-t twin-tank vacuum degassing station.

The use of the secondary metallurgy facilities makes it possible to produce advanced steel grades. The electric arc furnace therefore covers a wide range of products from high-quality steels to structural steels.

Electric arc furnaces of the ARCESS® series are optimized for the highly efficient use of electric power and include future-oriented burner and oxygen injector technique. The metallurgical process model FEOS® (Furnace Energy Optimization System) controls the furnace process to ensure high productivity at low production cost.

Also included in the supply is the revamp of the two-strand beam-blank caster to form a combined unit for casting steel slabs and alternately beam blanks. To this end, a revamping concept featuring short change times and high production speeds was developed.

The two-strand combined continuous caster X-Cast is rated for producing 250 mm thick slabs ranging in width between 800 and 1,100 mm as well as for beam blanks with dimensions of 1,150 x 490 x 130 mm.

Continuous caster no. 2 of Peiner Träger GmbH will thus become Germany's first combined caster for the production of beam blanks and slabs.

SMS Demag will supply the complete X-Pact® electrical equipment and automation system including process models (level 2). Commissioning of the new equipment is scheduled for early 2010.

Peine is the home of the world-famous Peine beams and produces a variety of other sectional steel types such as the European beam, piling sections and special sections. As part of its ambitious investment program, Peiner Träger GmbH had already in November 2007 ordered a new reversing tandem mill from SMS Meer, which will start operating in the summer of 2009.

No increase in the production of beams is planned, rather the higher steelmaking capacity will substitute bought-out quantities and supply slabs to the company's sister company Hoesch Spundwand in Dortmund. As the second furnace is commissioned, Peiner Träger GmbH will become independent of the supply of material from external sources.

An SMS Demag-supplied electric steelmaking plant has been in operation in Peine since as long ago as 1996. It successfully uses a direct-current electric arc furnace with downstream ladle furnace.

X-Melt and X-Cast are trade names of SMS Demag's Steelmaking Plants/Continuous Casting Technology Division. They feature equipment and technology that set the standard for the efficient production of high-quality steel products.

(57 lines with max. 55 letters)

SMS GmbH is the holding of a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It consists of the two Business Areas SMS Demag and SMS Meer, which jointly form SMS metallurgy. In 2007, some 8,000 employees worldwide generated a turnover of about EUR 3.0 bn.