

PRESS RELEASE

Düsseldorf, June 27, 2007

Order for SMS Meer

Schachmann orders second directly driven screw press

Warmpresswerk Schachmann GmbH, Niederstadtfeld, Germany, has placed an order with SMS Meer, a company of the SMS group, Germany, to supply a further SPE 20 screw press with electric direct drive. The new SPE 20, a product from the Eumuco Hasenclever Closed-Die Forging Product Unit, is the second screw press of this type ordered, after the prototype of the series had been successfully tested over several months of continuous operation at Schachmann.

This machine's drive is based on a servo-controlled synchronous motor whose rotor fitted with permanent magnets is mounted directly on the screw. In drives of this type a particular advantage is definitely the ideal, uniform progression of the torque characteristic from standstill with the rotor undergoing only a slight amount of heating at the same time. The integrated speed control guarantees the highest repeat accuracy of the rate of deformation by the ram and, accordingly, consistently reproducible results for the forging work. At the same time, when operated in combination with a converter provided with energy recovery, in which the braking energy arising during the return stroke is fed directly back into the network. The SPE machine type is one of the most economical machines available as the braking energy arising during the return stroke is fed directly back into the network by the converter.

The screw press of the SPE series has a very rigid monobloc frame compared with other screw press designs. The resulting lower spring-back leads to a shortening of the pressure dwell time. The rigid frame design was made possible by the use of a hydraulic overload protection system.

Delivery of the new press is scheduled for August 2007.

(29 lines with max. 55 letters)

SMS group is, under the roof of the holding SMS GmbH, a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It essentially consists of the two Business Areas SMS Demag and SMS Meer, which jointly form SMS metallurgy. In 2006, some 9,000 employees worldwide generated a turnover of about EUR 2.8 bn.