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## **PRESS RELEASE**

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# **Daye Special Steel orders hydraulic open-die forging press from SMS group**



An identically designed open-die forging press from SMS group in operation.

Chinese steel and forging company Daye Special Steel Co., Ltd., based in Huangshi City, Hubei, has awarded SMS group the contract for the engineering and delivery of a 50/60 MN, high-speed hydraulic open-die forging press. Once again, the customer is placing its confidence in forging press technology from SMS group: Daye has been using an SMX 800/16 MN radial forging machine, supplied by SMS group, since 2011.

The open-die forging press operates with a forging force of up to 50 MN and an upsetting force of 60 MN. Daye opted for the stable, four-column push-down press with moving crosshead. The high forging frequency of the press not only enables sophisticated materials requiring a narrow temperature range to be forged, it also reduces machining times. During planishing, the new press is capable of reaching a frequency of 103 strokes per minute. Daye Special Steel plans to use the new open-die press to forge a variety of products of high-temperature alloys and special steel.

This open-die forging press to be provided by SMS group to Daye Special Steel can be operated in fully automatic, semi-automatic, or manual mode. Daye Special Steel will be able to forge materials extremely precisely and energy-efficiently in program mode, using pass schedules that are precalculated with the ForgeBase<sup>®</sup> forging program. In addition, the press will feature a press control and visualization system, which was developed by SMS group and will allow Daye Special Steel to attain maximum reproducible product quality with a forging tolerance of around  $\pm 1$  millimeter. For fast die changes the machine will be equipped with a forging die changing device.

The open-die forging press is to be installed in the Huangshi plant. Commissioning is scheduled for May 2020.

*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 14,000 employees who generate worldwide sales of about EUR 3 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.*