# PRESS RELEASE

|  |
| --- |
| **Schuler AG**  Bahnhofstraße 41  73033 Göppingen  **Simon Scherrenbacher**  Integrated Communications  Telephone +49 7161 66-7789  Fax +49 7161 66-907  [Simon Scherrenbacher@ schulergroup.com](mailto:Ingo.Schnaitmann@schulergroup.com)  [www.schulergroup.com/pr](http://www.schulergroup.com/pr) |

# Automated forging lines for Mongolia

## At Darkhan Metallurgical Plant, Schuler installs induction heaters, short stroke die forging hammers and robots for the production of steel balls

*Weingarten/Ulaanbaatar, 26 July 2017* – Mongolia, a landlocked country in Central Asia, is renowned for its vast mineral resources of coal, copper, gold and iron ore. In the last years, especially consumption of grinding media has increased. The Darkhan Metallurgical Plant (DMP), established in 1990 and located around 200 kilometers North of the capital Ulaanbaatar, has now installed two automated Schuler forging lines featuring short stroke die forging hammers KGH 5.0B for the manufacture of steel balls with diameters of 100 to 140 millimeters.

In the first step of the production process, round steel bars are cut into pieces by a circular saw and heated by induction. Next, a robot arm takes the red-hot parts from the conveyor belt and inserts them into the Schuler hammer. The forged steel balls are then removed by an employee from a discharge chute integrated into the die area. After their quenching and hardening, as well as the subsequent tempering process and quality control, the grinding balls are ready for use.

As a system supplier, Schuler has provided the whole line including the dies and lubrication within seven months. The assembly began in November 2016, configuration and testing of the machinery was completed on December 14th, 2016. In the meantime, DMP has commissioned the lines. A new steel ball is produced by each line every eight seconds; the annual capacity of both lines is up 25,000 tons per year.

“Our customer had no experience in forging, so we introduced him to this new technology step by step and provided operator, maintenance and security training”, says Markus Bieg, head of Schuler’s “Industry” division in Weingarten, Germany. “Via Remote Service, we can assist DMP 24/7.” This is Schuler’s first project in Mongolia. With the help of the customer, visualization as well as documentation have been translated into local language.

According to DMP, the project will open new opportunities to the development of metallurgical industry in Mongolia.

### Image captions

Bild1.jpg: Schuler provided two lines featuring short stroke die forging hammers KGH 5.0b to the Darkhan Metallurgical Plant in Mongolia.

Bild2.jpg: The forged steel balls are removed by an employee from a discharge chute integrated into the die area.

*Please credit Schuler as the image source.*

***About the Schuler Group –*** [***www.schulergroup.com***](http://www.schulergroup.com)

*Schuler is the world market leader in metal forming technology. The company supplies presses, automation solutions, dies, process know-how, and services for the entire metalworking industry and lightweight automotive design. Customers include automobile manufacturers and suppliers as well as companies from the forging, household appliances, packaging, energy, and electronics industries. Schuler is the market leader in minting presses and supplies systems solutions for the aerospace, railway and large pipe industries. In 2016, Schuler achieved a turnover of 1,174.2 million Euros. Following the acquisition of die manufacturing company AWEBA and with a majority holding in Chinese press manufacturing company Yadon, Schuler employs around 6,600 members of staff in 40 countries. The Austrian ANDRITZ Group holds a majority share in Schuler.*