

PRESS RELEASE**Pre-form press with two servo motors****Schuler supplies new “Upsetter” forging press to research facility in Scotland**

Göppingen, April 24, 2013 – Schuler’s ServoDirect Technology also offers numerous benefits in the field of forging: as the slide movement is freely programmable, the same press lines can be used to process different materials requiring differing forming speeds – from steel to aluminum and titanium. This is also possible with the new pre-form press which Schuler recently supplied to a research facility in Scotland.

The “Upsetter” features two mutually independent servo drives with 315 and 500 metric tons of press force: while the stronger motor is used to clamp the workpiece vertically, the other is used for the actual forming process in the horizontal axis. A vertical forming process would also be feasible.

The Advanced Forming Research Centre (AFRC) near Glasgow will be using the press to research the production of pre-form parts for compressor blades used in airplane engines. The line is expected to start operations in the coming weeks.

FORMING THE FUTURE

“The new press is ideally suited for the economic manufacturing of a wide variety of complex parts,” Managing Director Jochen Früh explains. The new design of the Upsetter with ServoDirect Technology and two independent servo motors makes it possible to achieve the highest production output rates and set the forming parameters to the specific forming requirements of the material. Furthermore, extremely short pressure contact times can be achieved in the clamping and upsetting work sequence.

Speed profiles for various materials

Schuler offers the Upsetter with press forces from 250 to 2,500 metric tons. The independent slide movements performed by two servo drives not only enables adapted speed profiles for various materials, but also high output performance. As current consumption occurs at different times, operation is more energy efficient than with conventional lines.

The robustly constructed Upsetter also features double overload protection with force and torque limitation. Upstream and downstream processes such as glass coating, heating and cleaning are available as optional extras.

Captions

Bild1.jpg: Schuler employees during final tests on the line which can form a variety of materials – from steel to aluminum and titanium.

Bild2.jpg: One of the two servo motors clamps the workpiece, while the other is responsible for the forming process.

Bild3.jpg: The Upsetter with ServoDirect Technology manufactures pre-forms for the compressor blades of airplane engines.

Please name Schuler as the photo source.

About the Schuler Group – www.schulergroup.com

As the technological and global market leader in metalforming, Schuler supplies machines, production lines, dies, process know-how and services for the entire metal-working industry. Its clients include car manufacturers and their suppliers, as well as companies in the forging, household equipment, packaging, energy and electrical industries. Schuler is also the market leader in coin minting technology and supplies systems solutions for the aerospace and railway industries. The company employs around 5,500 people and is represented by its own facilities and sales offices in 40 nations around the world. In fiscal year 2011/12 (ending Sep. 30), Schuler posted sales of € 1,226.1 million with an Ebitda margin of 9.6 percent.

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