# PRESS RELEASE

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# New machine with ServoDirect Technology

## Schuler Beutler automatic blanking press is world’s first line with two electrically coupled and freely programmable pressure points

*Göppingen/Gettnau, October 22, 2014* – 50 percent less energy consumption, longer die service lives and greater precision: these are the benefits offered by Schuler Beutler’s newly developed MSC-2000 automatic blanking press with ServoDirect Technology. The new machine generation features two electrically coupled, freely programmable pressure points without gear transmission. By linking the pressure points in the press uprights, the machine’s rigidity has been significantly increased. The innovation has now received the “Award to EuroBLECH” in the category blanking by the trade magazines blechnet and MM MaschinenMarkt.

“The MSC-2000’s highly precise and efficient part production opens up new perspectives for blanking and forming businesses – while at the same time being extremely good value for money,” explains Joachim Beyer, the Chief Technology Officer of Schuler AG. “The drive concept represents a leap in innovation, as it offers the complete functionality of ServoDirect Technology and allows flexible adjustment to all conceivable die functions and forming processes.”

## Play-free and lubrication-free drivetrain

The play-free and lubrication-free drivetrain consists of a highly dynamic servo motor, brake module and eccentric shaft with conrods, knuckle-joint and slide. The new MSC-2000 automatic blanking press uses two such drivetrains facing each other – synchronized via the drive control – which deliver a press force of 2,000 kilonewtons.

“There are pre-programmed profiles for knuckle-joint standard, blanking, coining, bending and drawing processes,” explains Adrian Achermann, General Manager of the Schuler subsidiary Beutler Nova. After adapting the slide motion to the workpiece, the servo direct drive also enables the user to raise the speed – and thus also the output performance in oscillating mode. Thanks to the freely programmable slide movement, dies can also be set up quickly in production.

The drivetrain’s reduced mass moment of inertia increases the dynamic response of the slide movement. Together with the lack of gear transmission and the use of roller bearings, this cuts electrical power consumption by more than 50 percent. Users can also confirm this whenever and wherever they so wish: press data can be accessed from anywhere, for example via smartphone.

### Captions

Bild.jpg: The new automatic blanking press is the world’s first line with two electrically coupled and freely programmable pressure points.

*Please name Schuler as the photo source.*

***About the Schuler Group – www.schulergroup.com***

*As the technological and global market leader in metal and plastic forming equipment, Schuler offers cutting edge presses, automation, dies, process know-how and services for the entire metal forming industry and lightweight vehicle construction. Its clients include car manufacturers and their suppliers, as well as companies in the forging, household equipment, packaging, energy and electrical industries. Schuler is the market leader in coin minting technology and supplies systems solutions for the aerospace, railway and large pipes industries. The company can trace its roots back to a locksmith shop founded by Louis Schuler in 1839 and celebrates its 175th anniversary in 2014. In fiscal year 2012/13 (ending Sep. 30), Schuler posted sales of € 1,185.9 million. With 5,500 employees, Schuler is represented in 40 nations around the world. The Austrian ANDRITZ Group holds a majority share in Schuler.*

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