# PRESS RELEASE

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| **Schuler AG**  Bahnhofstraße 41  73033 Göppingen, Germany  **Simon Scherrenbacher**  Integrated Communications  Tel.: +49 (0) 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) |

# Welcome to the Smart Press Shop

## Schuler to demonstrate at EuroBLECH how networked systems can increase process reliability and cost-effectiveness

*Göppingen, 27.07.2016* – Many operators have already wished that their system could tell them exactly what the problem is. In the age of the Industrial Internet, machines that communicate are no longer something to aspire to in the future. At the EuroBLECH trade fair, to be held in Hanover at the end of October, Schuler’s “Smart Press Shop” concept will be demonstrating how networking solutions in forming technology can increase not only process reliability, but also cost-effectiveness in production.

## The necessary interfaces are already available

In a modern servo press line from Schuler, around 30 industrial PCs are networked with one another. This is the only way to ensure a high level of productivity and safe part transport from one press station to the next. Single presses, laser blanking lines, and various automation components also already have the necessary interfaces for comprehensive networking.

What is the maximum speed at which a specific sheet metal can be formed? Forming simulation provides valuable information for the virtual optimization of the entire system. To stay with the example of a servo press line: long before the tool sets are clamped into place, the virtual model of the system produces one part after another.

## Optimization based on simulation

By simulating the entire system, including all press stages and automation components, the time needed for part transport is minimized. Schuler offers tools for optimizing output, helping to reduce the time required for commissioning considerably. The customer can also get information on the energy required for production.

The systems provide data measured by sensors installed at numerous points, for example to monitor the press force. By drawing the right conclusions from this information, this area also has huge potential. If the press force progression deviates from a particular pattern, this indicates irregularities in the process. These solutions gather important information that can be used to maintain the line, thereby preventing damage to the machine and tool.

If it becomes apparent that not everything is running smoothly, the service engineer can connect to the customer's system online. In nine out of ten cases, problems can already be solved remotely through the Schuler Remote Service. Condition-based maintenance can therefore help save a lot of money.

Many of these examples are already common practice at Schuler. "Schuler has the key advantage of having equipped press plants throughout the world for decades, from the decoiler through to the automatic racking system", says Chief Technical Officer Dr. Stephan Arnold. "This experience helps enormously when it comes to developing intelligent functions for the ‘Smart Press Shop’ and the press plant of the future."

*Visit Schuler at Booth F82 in Hall 27 at EuroBLECH in Hanover from 25th to 29th October 2016.*

### Image captions

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| M:\DATEN\GP\Media Relations\Messen\2016\2016_10_25_EuroBLECH\PR\Bild2.jpg | Bild1.jpg: Servo press lines are already comprehensively networked and are equipped with interfaces for future systems. |
| M:\DATEN\GP\Media Relations\Messen\2016\2016_10_25_EuroBLECH\PR\Bild3.jpg | Bild2.jpg: The simulation of the entire system optimizes output and reduces the time required for commissioning considerably. |
| M:\DATEN\GP\Media Relations\Messen\2016\2016_10_25_EuroBLECH\PR\Bild4.jpg | Bild3.jpg: The correct conclusions have to be drawn from the data which is provided by the systems. |

*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 service 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 leading supplier of minting presses and supplies system solutions for aerospace, rail transport, and large pipe manufacturing. In 2015, Schuler achieved a turnover of 1.2 billion euros. Following the acquisition of die manufacturing company AWEBA and with a majority holding in Chinese press manufacturing company Yadon, Schuler employs around 6,800 members of staff in 40 countries. The Austrian ANDRITZ Group holds a majority share in Schuler.*