

## PRESS RELEASE

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### Images for the press release

#### "Intelligent data for the digital factory"



((1\_OPC UA Symbolfoto.png))

OPC UA (Open Platform Communications Unified Architecture) is considered central to the successful introduction of Industry 4.0 in production. OPC UA, on which the universal interface umati (Universal Machine Technology Interface) is based, guarantees the interoperability of machines and systems that can be linked and reconfigured as required using Plug & Work – regardless of platform and manufacturer.

Photo: Wenzel Group

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((2\_Heiko Wenzel-Schinzer.jpg))

"OPC UA allows for the interoperability between a wide range of machines and systems, regardless of the manufacturer," says Heiko Wenzel-Schinzer, Chief Digital Officer (CDO) of the Wenzel Group. "This creates the basis for fully networked production, in which measurement results can flow directly into the process control. The advantage: Reduced sources of error, faster reaction times in the event of deviations and increased efficiency in production."

Photo: Wenzel Group



((3\_Klingelberg\_CGT\_Closed Loop.jpg))

The closed loop between measuring machines and systems from the gear specialists Klingelberg optimizes production. Measurements are regularly carried out on the precision measuring machines on workpieces that have just been produced, trends are identified and countermeasures are initiated.

Photo: Klingelberg



((4\_Alexander Troska.jpg))

"AI-supported systems allow for precise quality control and autonomous production. This results in more efficient, more flexible and more intelligent factories that can adapt quickly to changing market conditions," says Alexander Troska, Head of Software Development at the gear specialists KlingelInberg.

Photo: KlingelInberg



((5\_Jan Häger.jpg))

"Each workpiece has its own requirements in terms of quality, cycle and set-up time. Experience and knowledge of the different manufacturing processes help when analyzing the data," explains Jan Häger, Head of Software Development for Precision Measuring Centers at KlingelInberg. However, artificial intelligence, such as machine learning, is also already being used.

Photo: KlingelInberg



((6\_Daniel Meuris.jpg))

"On the Klingelberg gear grinding machines, we collect different types of data, low-frequency status data, high-frequency control data and process settings. We combine this machine-related data with measurement and test results from the gears in the GearEngine, Klingelberg's own platform," says Daniel Meuris, Head of Digitalization and Visualization at Klingelberg.

Photo: Klingelberg