

PICTURES

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Press release images

The finishing touch



((01_Christoph_Pluess_United_Grinding.jpg))

"Grinding quality depends on a large number of constantly changing parameters and settings. Everything that can be controlled or regulated digitally helps improve the process control, ultimately leading to more efficient production and consistent quality," says Christoph Plüss, Chief Technology Officer of the United Grinding Group.

Photo: United Grinding Group

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**((02_Perfekter_Schliff.jpg))**

Many potential gains in efficiency through digitalization and sensor-based grinding process monitoring are not currently being exploited. Internal machine data can already be used to detect changes in processes. Further high-resolution signals from additional sensors allow more information to be gathered and combined for optimum process monitoring.

Photo: United Grinding Group

**((03_Henning_Buhl_IFW.jpg))**

"The grinding process forces rise continually due to clogged pores or grain flattening on the grinding wheel. "The constantly changing intervention conditions must therefore be taken into account when defining the monitoring limits," says Henning Buhl, Head of the Machine Components Department at the Institute of Production Engineering and Machine Tools (IFW), Leibniz Universität Hannover.

Photo: IFW, Leibniz University Hannover

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