

**Pictures for the EMO press release:**

## **Process automation: on the way to the clouds** **EMO Hannover 2017 will showcase navigational aids for the smart factory of the future**



((12-01-IPA-Auswertung.jpg))

“Smart System Optimisation” ensures technically detailed and at the same time automated evaluation of standstill causes and error causality relationships in a production line.

Photo: Fraunhofer IPA, Rainer Bez



((12-02-IPA-Prozessinfos.jpg))

As soon as the production operation is up and running, data are synchronously communicated from all steps of the process to an analytical tool. The data are based on status and process information from all technical sub-steps of the entire process chain.

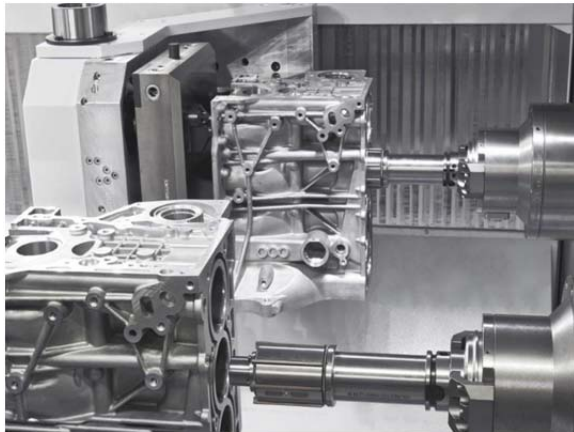
Photo: Fraunhofer IPA, Rainer Bez



((12-03-Patrick-Kuhlemann.jpg))

To quote Patrick Kuhlemann, research assistant at the Institute of Production Engineering and Machine (IFW) of Leibniz University in Hanover: “At the EMO Hannover 2017, we’re anticipating a definite trend towards optimising production processes by means of integrated, innovative process control.”

Photo: IFW



((12-04-FFG-Specht-Maschine.jpg))

Single- and two-spindle machines can additionally be used as fully functional honing machines by means of their own adjuster spindle in conjunction with linear drives.

Photo: FFG-Werke



((12-05-EMAG-Spindel-Revolver.jpg))

A high-performance work spindle and the twelve-fold tool revolver ensure fast metal-cutting processes when machining the blank.

Photo: Emag



((12-06-TDM-Peter-Schneck.jpg))

To quote Peter Schneck, Managing Director of TDM Systems GmbH, Tübingen: "The present-day spectrum of technical feasibility creates far more options for tool lifecycle management – the future lies in the cloud."

Photo: TDM Systems

You will find texts and images relating to the EMO Hannover 2017 on the internet at:  
[www.emo-hannover.de/bilddatenbank](http://www.emo-hannover.de/bilddatenbank).  
You can also follow the EMO Hannover using our social media channels