

## PICTURES

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## Turning factories into smart factories with AI



((01\_Markus\_Spiekermann\_Fraunhofer.jpg))

Markus Spiekermann, Head of the Data Economy Department at the Fraunhofer Institute for Software and Systems Engineering ISST, is convinced that the use of artificial intelligence can help achieve high degrees of automation in industrial manufacturing.

Photo: Fraunhofer Institute for Software and Systems Engineering

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**((02\_Robin\_Hirt\_Prenode.png))**

Dr.-Ing. Robin Hirt, CEO and founder of the Karlsruhe-based start-up Prenode GmbH, relies on decentralized machine learning to link up several machines to form an AI system. This enables production plants to cooperate intelligently – and even learn from each other.

Photo: Prenode GmbH



**((03\_Trumpf\_Sorting\_Guide.jpg))**

Trumpf's Sorting Guide uses artificial intelligence to sort sheet metal parts quickly and easily. The AI system uses self-learning image processing to recognize the individual parts and then display a sorting recommendation on the screen.

Photo: Trumpf SE + Co. KG



**((04\_Sorting\_Guide\_Screen.jpg))**

The Sorting Guide from machine tool manufacturer Trumpf uses artificial intelligence to help employees pick out laser-cut sheet metal components. Man and machine can thus work together efficiently.

Photo: Trumpf SE + Co. KG