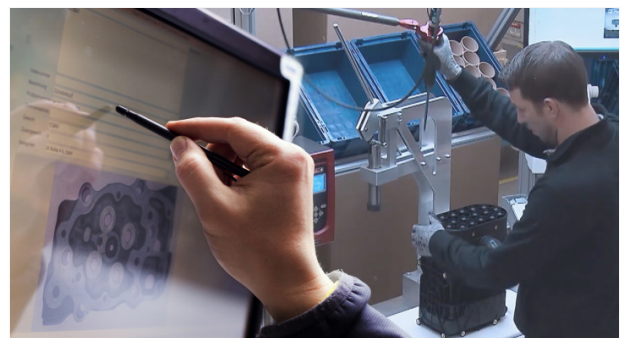


Automatically assisted

Intelligent image processing supports production workers in industrial 4.0 applications

Automation plays a major role in Industry 4.0. Cost reduction, increased productivity and zero-defect quality are factors that are increasingly prompting companies to digitise their processes. But often full automation also means high initial investments. At the same time, the focus will continue to be on the human being in the interaction between man and machine. Given the prevailing shortage of skilled workers and high standards of industrial safety, this is no easy task for companies.



A large number of variants, complex tasks and processes, as well as increasing quality requirements increase the demands on successful process optimisation. With the assistance system "Clever Klaus", the German company OPTIMUM datamanagement solutions GmbH has developed a smart solution.

The easy-to-integrate, camera-based assistant uses digitisation to optimise and simplify manual inspection processes. By combining industrial image recognition using a high-resolution USB3 industrial camera from IDS and an intelligent database, the assistance system recognizes every step and assists the employee in real time during the entire assembly process.

→ [Read the detailed application report](#)

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