

FOSDIGUM

Production of complex optical systems in a digitized production environment

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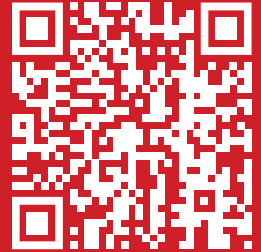
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Project Funding

In the research project »FOSDIGUM«, a digitally and physically networked production environment is being developed to achieve an economical and resource-saving production of innovative and performance-enhanced optical systems. The networked process chain is being tested using the example of a miniaturized optical system for high-resolution endoscopes in order to improve diagnostic and surgical practice.

Project aims

- » Digital networking of the individual process steps in optics production
- » Creation of a digital twin of the components for data analysis and exchange between the processes
- » Development of an innovative pre-control to influence the subsequent process steps depending on the current component state



More Info