

## Contact

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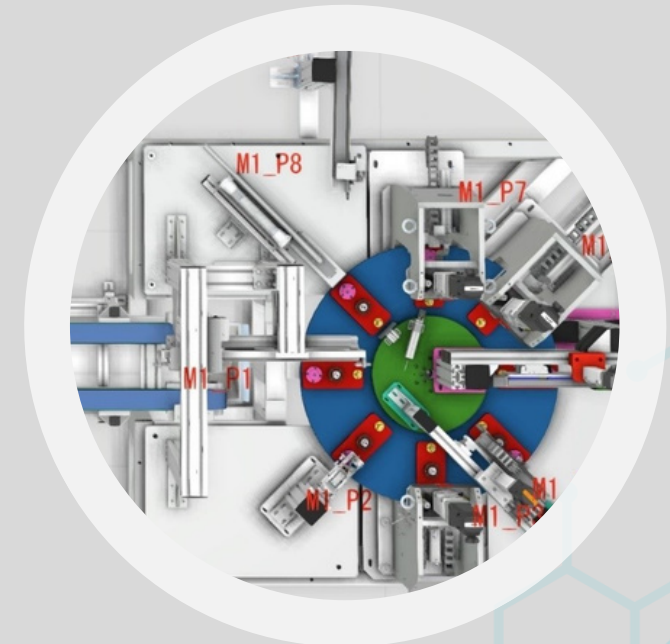
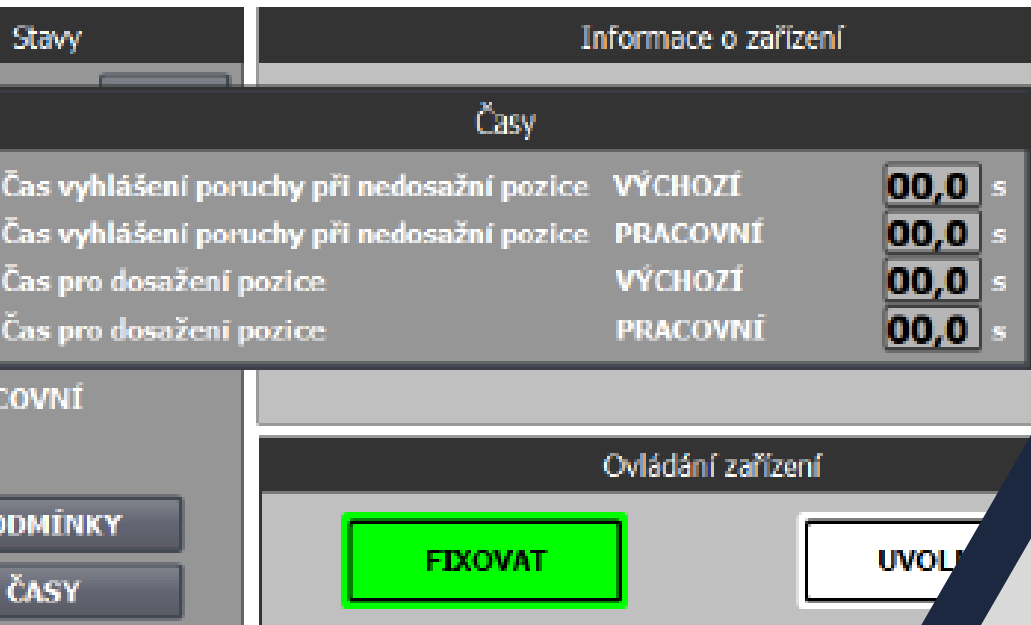
VSB TECHNICAL  
UNIVERSITY  
OF OSTRAVA

FACULTY OF ELECTRICAL  
ENGINEERING AND COMPUTER  
SCIENCE

DEPARTMENT OF CYBERNETICS  
AND BIOMEDICAL ENGINEERING

**AUTOMATED  
DESIGN OF  
CONTROL SYSTEMS  
BY METHODS OF  
INDUSTRY 4.0  
WITH THE SUPPORT  
OF VIRTUAL  
TECHNOLOGIES**

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DURATION: 06/2020  
12/2022

**SUPPORTED BY**  
OP PIK APLIKACE

**PROJECT NUMBER**  
CZ.01.1.02/0.0/0.0/17\_147/0020565

The research is focused on optimizing the method and procedure for the implementation of machine or process automation orders with improved quality, implementation, speed of commissioning and maintenance of the system.

The aim of the project is to develop a standardized model of modern and efficient creation of software applications for management industrial technologies in accordance with the concepts of Industry 4.0. The result of the project will be a comprehensive software tool for automated creation of control and HMI / SCADA applications and design methodology using approaches virtualization, modeling and simulation