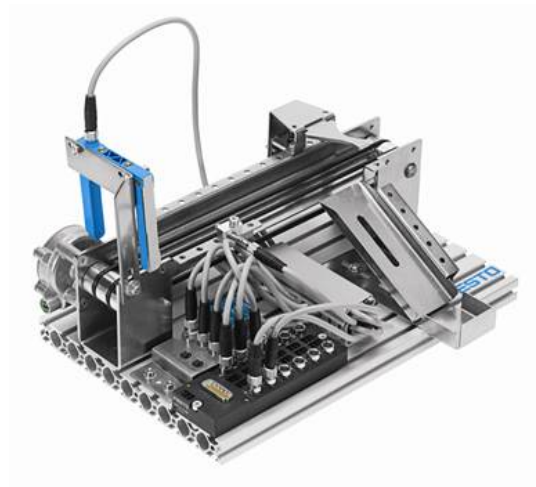




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Subsystem "Conveyor Belt"



With the help of the conveyor belt workpieces can be transported from A to B, positioned for the purpose of an assembly line or even sorted by any specific criteria. For sorting tasks a magnetic valve with a stopper or ejector is available. An inductive and an optical sensor help acquiring the signals. Any further sensors, e.g. for the color or weight differentiation, can be added on request.

For fulfilling different tasks the conveyor belt can and should be reconstructed by the school students. In particular, the position of the sensors and the lifting magnet is crucial for the performance. As a result, the basic principles of the interaction of sensors and actuators can be demonstrated. Even the position of the chute can be changed with little effort and adjusted to the respective requirements accordingly.

Contact Person

Prof. Dr. Andreas Hüttner

Tel.: +49 461 805 2137

andreas.huettner@uni-flensburg.de

Gebäude Oslo - OSL 060

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