

**SkillsConveyor**  
Rediscover Automation Technology

**FESTO**

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# SkillsConveyor

Competency development in the mechatronics and electrical professions

## The learning system of choice for basic technical topics

The SkillsConveyor is ideal for basic training in automation technology and mechatronics. The learning content is tailored in particular to the specific requirements of the training occupations mechatronics technician and industrial electrician due to the focus on mechanic and electric assembly as well as control and sensor technology.



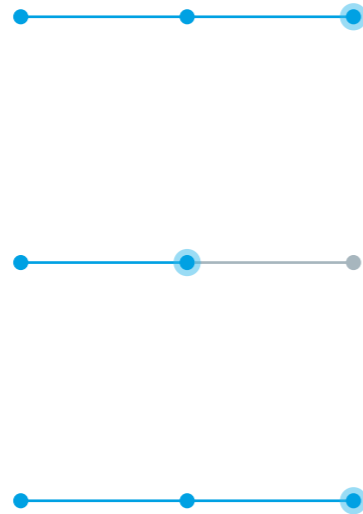
**Mechatronics technician**



**Industrial mechanic**



**Electronics technician**



## The SkillsConveyor in action

- ✓ Digital learning support, simulations and multimedia learning materials on Festo LX
- ✓ Recommendations for the use of digital learning media for teachers on Festo LX
- ✓ Simple and intuitive operation through ergonomic design and visual feedback
- ✓ Secure learning thanks to reliable system security
- ✓ Continuous learning through modularity and expandability
- ✓ Holistic, practical learning through pallet transfer and individual workpiece flow
- ✓ Boost employability through learning with real industrial components
- ✓ Build practical mechatronics skills



SkillsConveyor in action



Useful information in the InfoPortal

# SkillsConveyor

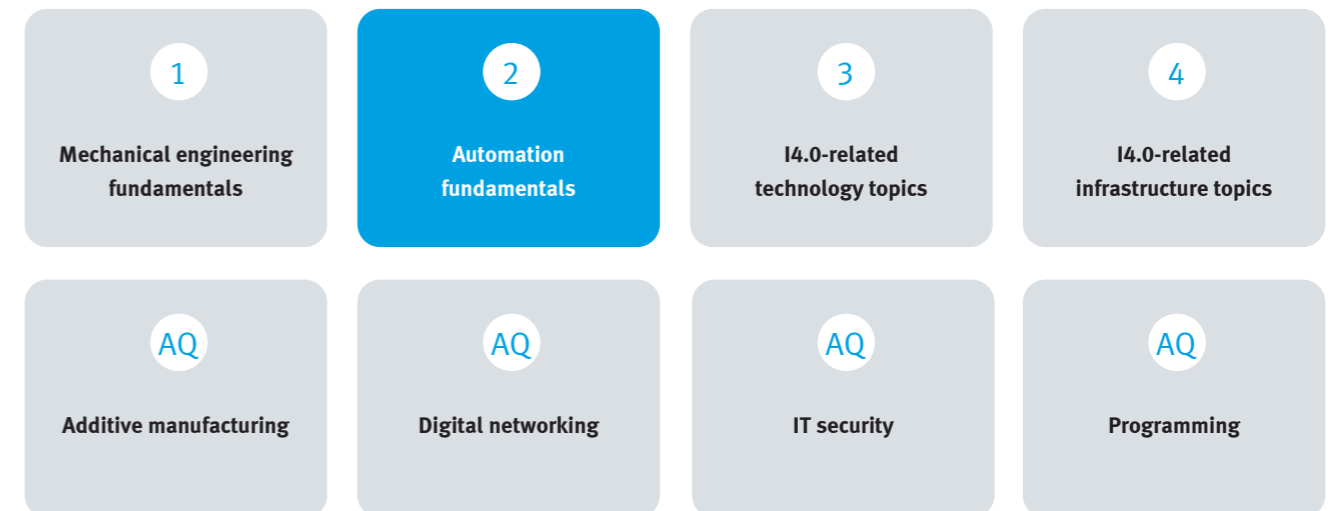
Continuous learning path for automation technology

## A solid basis

Anyone who wants to hold their own in the job environment of automation needs solid basic skills. The SkillsConveyor from Festo helps lay the foundation for basic training in automation technology. Offering a new standard of modularity in terms of hardware, software and courseware, as well as seamless integration into the curriculum, makes the SkillsConveyor the optimal learning system for technical education.

“Our goal was to develop a holistic basic learning system for technical education – in doing so, we placed a special focus on the synchronous modularity of hardware and courseware. This approach makes it possible to flexibly and individually build up learning content from individual components to the entire system – and thus creates different entry scenarios for learners.”

**Dr. Sandra Funk**  
Curriculum Architect, Festo Didactic SE



## The Mechatronics Curriculum

Our holistic qualification program consists of hardware, software and courseware modules based on a comprehensive analysis of current and future competence needs in various occupational and training profiles.

The mechatronics qualification plan includes 4 stages as well as additional qualification (AQ) topics. The SkillsConveyor is the hardware basis for the development of competencies in stage 2, “Automation fundamentals”.

Due to the modular structure of the learning system and content, trainees benefit from a continuous learning process.



Further information on the curriculum



Further information on competence-oriented qualification

# SkillsConveyor

The new standard learning system for basic training in automation technology

## Flexible drive concepts

The DC motor supplied is connected to the SkillsConveyor via a universal flange. The motor can be easily exchanged and the learning system can be supplemented with a corresponding AC motor with the appropriate learning content including frequency inverter.

## Special conveyor belt

Through simple conversions, the SkillsConveyor enables the transport of single workpieces as well as pallets.

## External controls

Our universal interface to the control level enables different control concepts up to the simple integration of own solutions.

- PLC EduTrainer
- PLC via control cabinet
- Easyport / FluidSIM
- Simulation box I/O

## Sensors and actuators

Through the simple and flexible exchange of sensors and actuators, learners can quickly and easily build their own automation solutions and independently acquire new learning content.

## Ergonomic and simple design

The removable drawer and the hinged control box provide flexibility in handling – particularly advantageous in confined space situations. In addition, the simple design facilitates easy commissioning and ergonomic operation.

## Intuitive operation and individualization

The variable labelling of the operating and signal elements enables the independent development of circuits and circuit diagrams beyond the learning scenarios of basic education.

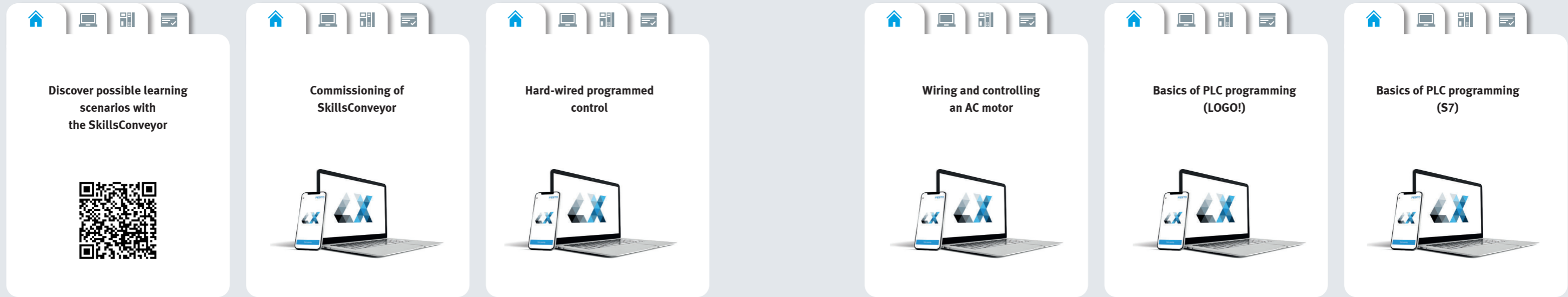
## Equipped for different education needs

Our SkillsConveyor is available in two versions – as a kit for self-wiring or ready-to-use and pre-wired. This way, we offer the right learning system for various time budgets and differentiated needs for practical wiring skills.



# Accompanying learning materials on Festo LX

## Learning path for the basics of automation technology



On our digital learning portal Festo LX, topics are prepared in various, complementary formats.

**Theory** (eTheory and eLearning courses) – to ensure an easy introduction to the topic.

**Practice** (eLab courses) – include tasks on Festo Didactic learning systems to grasp the topic in a practical context, including a teacher's guide to help teachers use the digital courses in the classroom.

**Test** (Evaluation) – to determine whether the learning objectives of the course have been met.



### Festo Learning Experience

You can find all available learning courses that fit the SkillsConveyor theme on our Festo LX digital learning portal.

