

Lifelong learning secures top position in competition

Setting trends with training courses from Festo Didactic on battery recycling, AI and biologization

Electromobility, artificial intelligence and sustainability - the economy is in the midst of industrial transformation. In addition to the right automation solutions, qualified specialists are the key to success. With digital learning opportunities as well as seminars and further training, Festo Didactic offers a modern portfolio for lifelong learning in a professional environment.

The portfolio of learning opportunities starts with industry-related and job profile-oriented training for junior staff and specialists and ends with ongoing on-the-job learning for experienced employees who have to implement new trend topics such as electromobility, artificial intelligence or sustainable management over the course of their careers.

Learning to make and recycle batteries

For example, the battery training course "Fundamentals of battery cycle management" is exactly the right online seminar for employees of gigafactories or similar battery production facilities and for the increasingly important recycling process. Battery recycling management is just one segment of the wide range of seminars and training courses for specialists.

Such training can be flanked by the Festo LX learning platform: the interactive learning portal with didactically prepared theoretical and practical learning content ensures individual learning experiences in training and further education. On this platform, trainees and employees work on many current topics of industrial transformation in compact, playful units. Artificial intelligence and sustainability naturally play just as important a role as expertise in electrical and pneumatic automation technology.

Skills Conveyor

The SkillsConveyor teaches solid basic skills. This learning system from Festo Didactic is based on a transfer belt that can be used to learn various automation technology skills. "This all-rounder supports basic training for mechatronics or electronics technicians, for example," explains Christian Hartung, Mechatronic Design Developer at Festo Didactic. The special thing about it is that learners start with the basics and are accompanied by the multimedia learning documents and videos on Festo LX right through to their later job environment.

Complete learning factories

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Learning factories, which cover the entire spectrum from mechatronics to Industry 4.0 in MES, including important trend topics such as machine learning in production, have proven their worth. They enable learning on practical processes from the distribution of products to robot assembly, industrial quality control and order picking. The current learning factory with corresponding industry standards is the Modular Production System MPS 405-1.

Concept study on the "biomechatronics engineer" learning system

As a market leader in technical education, Festo also has its eye on future qualifications. In addition to developing new job profiles, the company's education experts have designed a modular learning concept for the specialist field of "biomechatronics". Based on familiar topics and learning solutions from the fields of mechanics, electrical engineering and computer science, an innovative learning system for biomechatronics has been created by adding the subject of biology.

The integrated learning system consists of learning software and various learning hardware housed in a modular carrier system. The prototype of the learning software is based on the proven Festo LX digital learning platform. The learning hardware includes a bioreactor that demonstrates the cultivation of yeasts and functions for taking samples, as well as two existing products from Festo Didactic, the housing of the SkillsConveyor and the Electeo learning system, which can be used to teach electronic content. The entire learning system consists of five modules and can be supplemented and expanded as required thanks to the modular carrier system. The angled shape of the integrated elements and displays enables ergonomic learning. The concept, consisting of the integrated biomechatronics learning system and the modular furniture system, will be presented for the first time at the Hannover Messe.

Further links:

[Basics of battery cycle management Live online seminar - Festo Marketplace \(festo-didactic.com\)](#)
[Onboarding training battery production - Festo Marketplace \(festo-didactic.com\)](#)

[Festo Learning Experience](#)

[Buy SkillsConveyor PROD_DID_8184210 online | Festo EN](#)

www.festo.com/biomechatronik

Photos:

SkillsConveyor

SkillsConveyor: This learning system from Festo Didactic supports the basic training of mechatronics or electronics technicians (Photo: Festo)

2_Learning reactor

Modular learning concept from Festo Didactic: the learning system for biomechatronics based on the Festo LX digital learning platform (Photo: Festo)

1_Learning reactor

Learning reactor for training as a biomechatronics engineer from Festo Didactic (Photo: Festo)

Press Images



SkillsConveyor

SkillsConveyor SkillsConveyor: This learning system from Festo Didactic supports the basic training of mechatronics or electronics technicians (Photo: Festo)



2_Lernreaktor Biomechatronik

Modular learning concept from Festo Didactic: the learning system for biomechatronics based on the Festo LX digital learning platform (Photo: Festo)



1_Lernreaktor Biomechatronik

Learning reactor for training as a biomechatronics engineer from Festo Didactic (Photo: Festo)