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Automation Technology

Acquire practical and project-oriented laboratory skills and expertise:

Automation trainers, mechatronics trainers, PLC trainers

Robotics



Robotics

Robots play a key role in modern, highly automated and efficient production processes. The experiment sets for robotics technology guide automation or mechatronics engineers of the future step by step from the fundamentals, through handling the equipment and on to programming of robots. It also demonstrates optimised interaction with automated plant.

Benefits to you:

- Simple introduction to robotics
- High-precision training robot
- It is possible to work with the training robot without the need for protective measures such as a safety door or light curtain
- Professional 3D software for online and offline programming
- Industry-like, text-based programming capability with extensive functionality
- Easily understood graphical programming tool
- Easy connection and communication with a PLC system
- Easy transfer and introduction to industrial robots

CAV 1 automated guided vehicle system with collaborative robot arm



CAV 1 automated guided vehicle system with collaborative robot arm

In modern companies more and more automated guided vehicle systems (AGV) are being put into operation. The orientation of the AGV system is realised using integrated cameras and sensors to scan the surroundings. By comparing the surroundings with the previously created map thereof, the AGV can safely navigate this space.

The collaborative robot arm permits customised project planning. This means that the AGV is not restricted to merely being a transport or vehicle system. Several project deployments can be realised by the AGV and the collaborating robot arm such as the transportation and delivery of finished products by the AGV to the transportation department or retrieval of special production goods from the custom finishing bay.

Equipment set comprising the following:

Pos.	Product name	Bestell-Nr.	Anz.
1	Automated Guided Vehicle (AGV) with 6-axis robot arm	LM9590	1
2	Workpiece, top section, white	LM9521	1
3	Workpiece, top section, black	LM9522	1



4	Workpiece, bottom section, white	LM9524	1
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5	Workpiece, bottom section, black	LM9525	1
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6	Bolt workpiece, plastic, red	LM9528	1
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7	Bolt workpiece, metal	LM9527	1

Media:



Pos.	Product name	Bestell-Nr.	Anz.
8	Interactive Lab Assistant: CAV 1 Automated Guided Vehicle	SO2800-4U	1
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9	Interactive Lab Assistant: CCR 1 Putting a Collaborative Robot into operation	SO2800-4T	1