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Automation | Industry 4.0

Acquire practical and project-oriented laboratory skills and expertise:

Automation trainers, mechatronics trainers, PLC trainers

Robotics



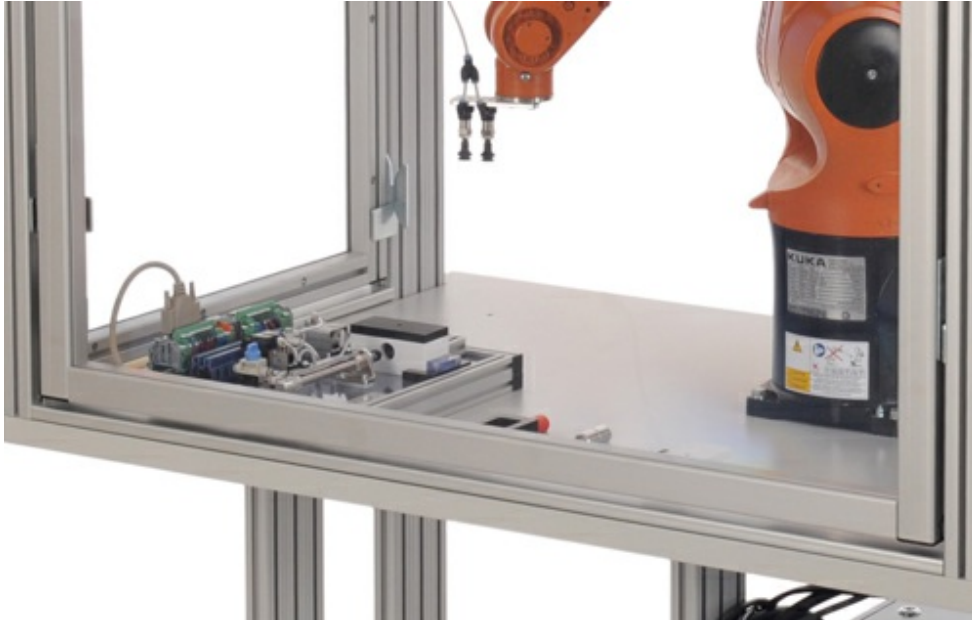
Robotics

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

CRK 12 Kuka Industrial Robot with Project Equipment Set for Disassembly



CRK 12 Kuka Industrial Robot with Project Equipment Set for Disassembly

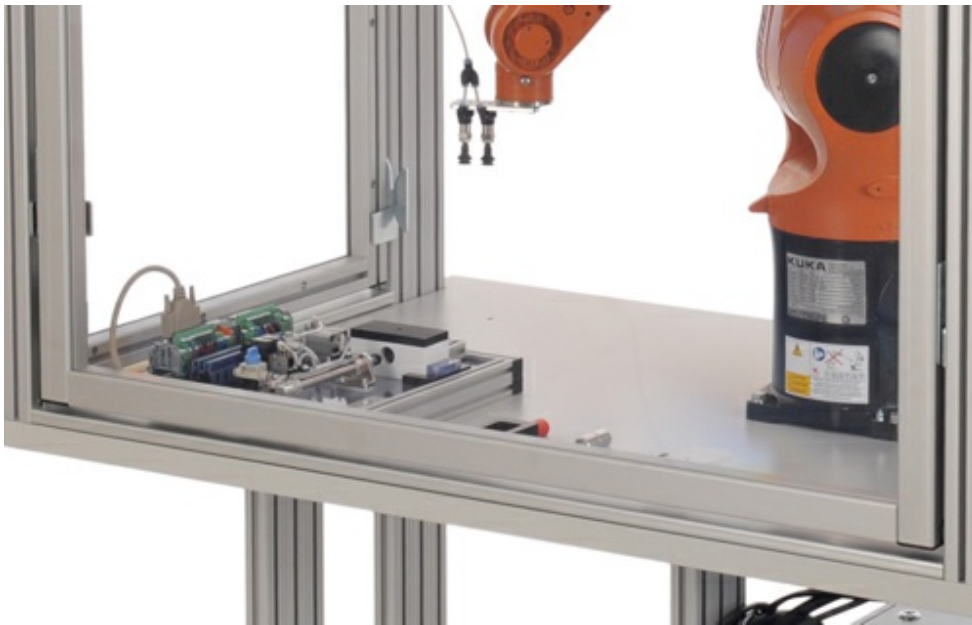
With the “disassembly“ project equipment set, the assembled workpieces are disassembled with the aid of the industrial robot and individual parts assorted into the storage trays provided for this purpose. For example, the storage trays can be selected and targeted for deposit activation by the PLC and the touchpanel connected to the robot via the Profinet.

Basic equipment set, consisting of:

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Pos.	Product name	Bestell-Nr.	Anz.
1	Industrie Robot Kuka KR6 R700 sixx, 6 Axis, 6kg	LM9691	1
2	Mobile Experiment Trolley with Protective Housing for Robotics, SybaPro, 1200mm	ST7200-3Q	1
3	Parallel finger gripper for LM9661/LM9691	LM9662	1

Project equipment set "Disassembly" for industrial robot, consisting of:



Project equipment set "Disassembly" for industrial robot, consisting of:

Pos.	Product name	Bestell-Nr.	Anz.
4	Disassembly station for robots	LM9637	1
5	SIMATIC S7-1200 14 DI, 10 DO, 2 AI, 1 AO, 24V / 5 A power supply	CO3713-8Q	1
6	25-pin serial interface cable, Sub-D plug/socket	LM9061	1

Media:



Pos.	Product name	Bestell-Nr.	Anz.
7	Interactive Lab Assistant: CRK10 Configuration of Kuka robot	SO2800-4S	1

Accessories:

Pos.	Product name	Bestell-Nr.	Anz.
8	Compressor, low-noise	SE2902-9L	1
9	Tubing and accessory set for mechatronics systems	LM9670	1
10	Workpiece, top section, white	LM9521	1
11	Workpiece, top section, black	LM9522	1
12	Bolt workpiece, plastic, red	LM9528	1
13	Bolt workpiece, metal	LM9527	1
14	Workpiece, bottom section, white	LM9524	1
15	Workpiece, bottom section, black	LM9525	1