

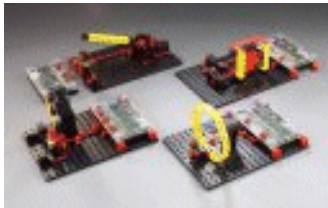
1. SCHOOL - EDUCATION

1.1 Robo Mobile Kit



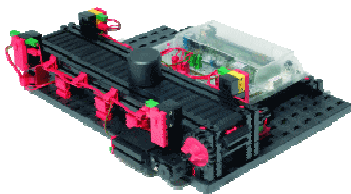
- Building set for the construction of eight mobile robot models.
- Mobile robots for edge and obstacle recognition.
- The mobile robot moves like an insect with his six legs and can go forwards, sideways as well as to the right and left.
- With two power motors, four probes, two phototransistors and a lens tip bulb.
- With detailed activity booklet on the topic of "programming and control of fischertechnik robots with a PC." Interface "Robo Interface" (93293), software "Robo Pro and power supply "battery set".

1.2 ROBO Starter Kit



- Eight different models deal with robot technology, mechatronics and everyday technology, always computer-controlled.
- Building set with 150 components for eight simple-to-build models such as a traffic light, barrier, heating control or hand dryer. With mini-motor, NTC resistance, three probes, lens tip bulb and phototransistor.
- With detailed activity booklet on the topic of "programming and control of fischertechnik robots with a PC." Interface "Robo Interface" (93293) or "Robo I/O Extension", software "Robo Pro" and power supply "battery set" or "energy set".

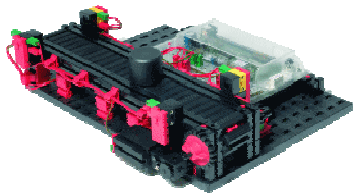
1.3 ROBO Conveyor Belt 9 V Kit



- Construction set ROBO conveyor belt 9 V without ROBO interface
- Length 275 mm, transports workpieces with a diameter of up to 29 mm. Several conveyor belts can be connected to each other to form a conveyor belt of any length.
- Scope of Delivery:
1 DC motor, 1 sensing device (potential-free), 2 light barriers consisting of phototransistor and lens tip bulb, 1 workpiece diameter 29 mm, h = 25 mm.

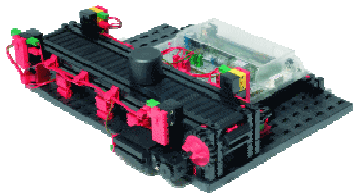
2. INDUSTRY – TRAINING MODELS

2.1 ROBO Conveyor Belt 9 V Complete



- Training model conveyor belt 9 V with ROBO interface
- Length 275 mm, transports workpieces with a diameter of up to 29 mm. Several conveyor belts can be connected to each other to form a conveyor belt of any length.
- Scope of Delivery
1 DC motor, 1 sensing device (potential-free), choice as pulse counter, 2 light barriers consisting of phototransistor and lens tip bulb, 1 workpiece diameter 29 mm, h = 25 mm.

2.2 ROBO Conveyor Belt 24 V kit



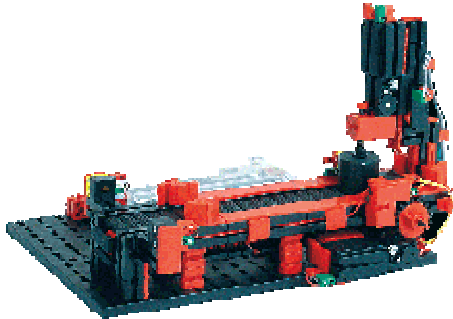
- Construction set ROBO conveyor belt 9 V without ROBO interface
- Length 275 mm, transports workpieces with a diameter of up to 29 mm. Several conveyor belts can be connected to each other to form a conveyor belt of any length.
- Scope of Delivery:
1 DC motor, 1 sensing device (potential-free), choice as pulse counter, 2 light barriers consisting of phototransistor and lens tip bulb, 1 workpiece diameter 29 mm, h = 25 mm.

2.3 3-D-ROBOT



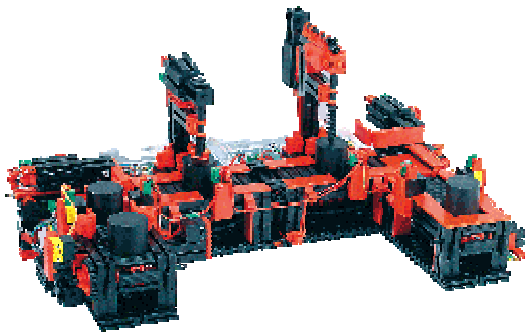
- 3-axis robot with grabber claw, 4 DC motors operating with either 9V or 24V, 4 limit switches, 4 pulse counters for travel measurement, all counters are zero-potential.
- Model mounted on stable wooden panel, packed in wooden box.
- Model dimensions: (LxWxH): approx. 385x270x350 mm.
- Degrees of freedom: Axis 1: 180° of rotation, Axis 2: 100 mm back and forth, Axis 3: 160 mm raise/lower.
- Standard scope of supply:
No controller, interface: 1 ribbon cable, 24-conductor, colour-coded with 26-pin male connector.

2.4 Punching Machine with Conveyor Belt



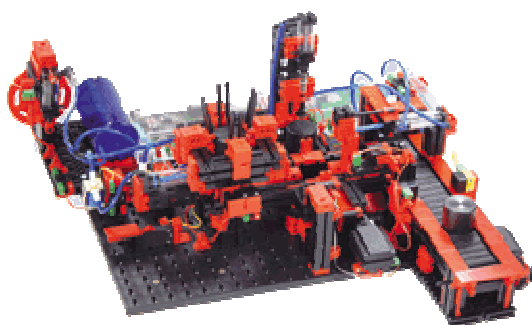
- 2 DC motors, 2 limit switches, floating, 2 light barriers, each comprising a phototransistor and a lens lamp.
- Model mounted on fischertechnik base plate. Size (l/w/h) 280x215x185mm. Packed in cardboard.
- Model available in 9VDC or 24VDC versions.
- Standard scope of supply: No controller, interface: 1 ribbon cable, 14-conductor, colour-coded with 14-pin male connector.

2.5 Indexed line with 2 machining stations



- 2 machining stations, 4 conveyor belts arranged in U-shape, 8 DC motors, 4 limit switches (floating), 5 light barriers each comprising a phototransistor and one lens lamp, model mounted on sturdy wooden panel.
- Size (l/w/h) 450x410x190mm. Packed in wooden box.
- Model available in 9VDC or 24VDC versions.
- Standard scope of supply: No controller, interface: 1 ribbon cable, 16-conductor, colour-coded with 16-pin male connector, 1 ribbon cable, 18-conductor, colour-coded with 20-pin male connector

2.6 ROBO Conveyor Belt 9 V Kit



- With magazine for workpieces, rotary table, processing station, transport band for conveying workpieces and model compressor.
- Contains two double-acting and one single-acting pneumatic cylinder, five 3/2-way solenoid valves, 2 DC motors, 4 limit switches (floating), all zero-potential, 2 light barriers each composed of a phototransistor and a lens bulb.
- Model mounted on sturdy wooden panel. Size (l/w/h) 450 x 410 x 190 mm. Packed in a wooden box.
- Operating pressure of the pneumatic components: 0.5 bar (pmax = 0.7 bar)
- Model available in 9VDC and 24VDC versions.
- Standard scope of supply: No controller, interface: 2 ribbon cables, 14-conductor, male connector, color coded with 14-pin.