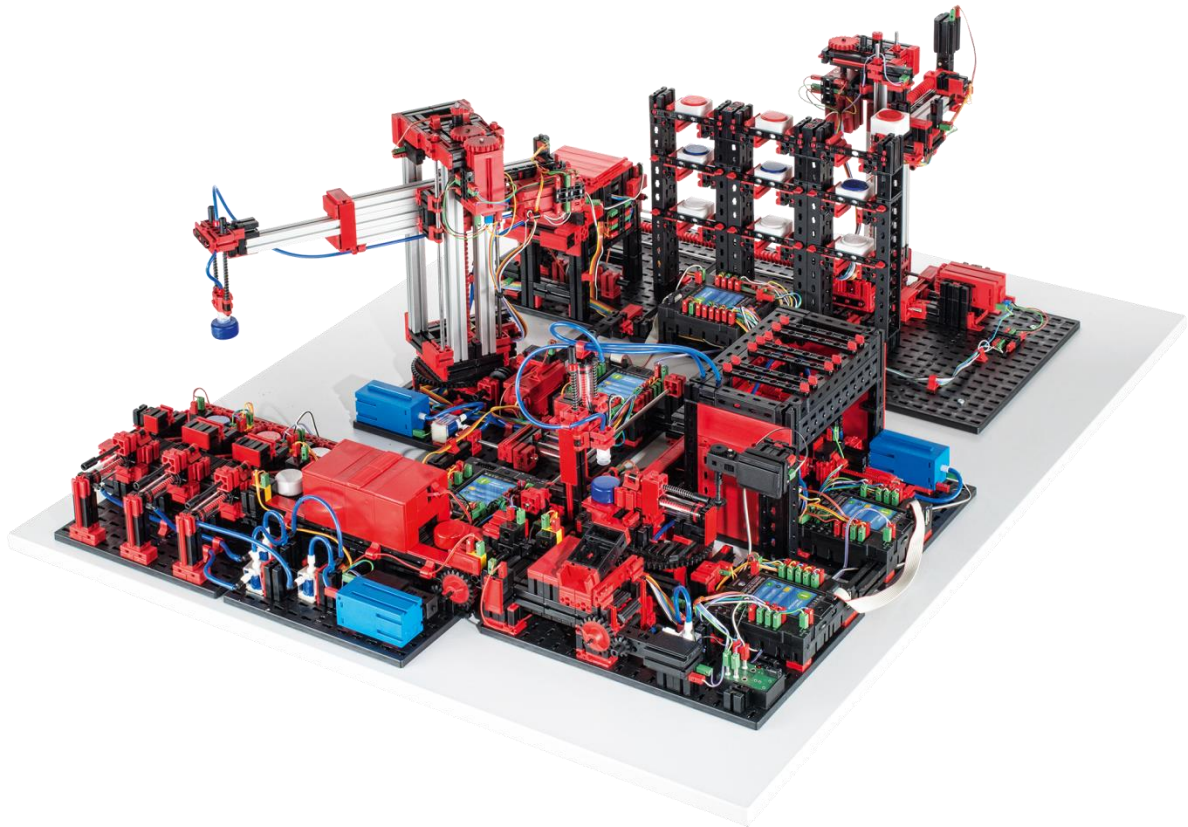


536629
Fabrik Simulation 9V
Factory Simulation 9V



Belegungsplan für die Fabrik Simulation 9V
Circuit layout for the Factory Simulation 9V

Controller Bearbeitungsstation mit Brennofen /
 Controller Multi Processing Station with Oven

Nummer Number	Funktion Function	Eingang/Ausgang Input/Output
1	Referenzschalter Drehkranz (Position Sauger) reference switch turn-table (position vacuum)	I1 (master)
2	Referenzschalter Drehkranz (Position Säge) reference switch turn-table (position saw)	I2 (master)
3	Referenzschalter Drehkranz (Position Förderband) reference switch horizontal axis (position belt)	I3 (master)
4	Fototransistor Ende Förderband phototransistor end of conveyor belt	I4 (master)
5	Referenzschalter Sauger (Position Drehkranz) reference switch vacuum (position turn-table)	I5 (master)
6	Motor Drehkranz motor turn-table	M1 (master)
7	Motor Säge motor saw	M2 (master)
8	Motor Förderband motor conveyor belt	M3 (master)
9	Ventil Auswurf valve ejection	O7 (master)
10	Kompressor compressor	O8 (master)
11	Referenzschalter Ofenschieber eingefahren reference switch kiln feeder retracted	I1 (slave)
12	Referenzschalter Ofenschieber ausgefahren reference switch kiln feeder extended	I2 (slave)
13	Referenzschalter Sauger (Position Ofen) reference switch vacuum (position kiln)	I3 (slave)
14	Fototransistor phototransistor	I5 (slave)
15	Motor Ofenschieber motor kiln feeder	M1 (slave)
16	Motor Sauger motor vacuum	M2 (slave)
17	Ventil Vakuum valve vacuum	O5 (slave)
18	Ventil Senken valve lowering	O6 (slave)
19	Ventil Ofentür valve kiln door	O7 (slave)
20	Leuchte Ofen light kiln	O8 (slave)

**Controller Automatisiertes Hochregallager (HRL) + Vakuum Sauggreifer (VSG)/
Controller Automated High-Bay Warehouse (HBW) + Vacuum Gripper Robot (VGR)**

Nummer Number	Funktion Function	Eingang/Ausgang Input/Output
1	Fototransistor Außen phototransistor outside	I1 (master)
2	Spursensor (Signal 1) trail sensor (signal 1)	I2 (master)
3	Spursensor (Signal 2) trail sensor (signal 2)	I3 (master)
4	Fototransistor Innen phototransistor inside	I4 (master)
5	Referenztaster horizontal (HRL) reference switch horizontal axis (HBW)	I5 (master)
6	Referenztaster Ausleger eingefahren (HRL) reference switch cantilever retracted (HBW)	I6 (master)
7	Referenztaster Ausleger ausgefahren (HRL) reference switch cantilever extended (HBW)	I7 (master)
8	Referenztaster vertikal (HRL) reference switch vertical axis (HBW)	I8 (master)
9	Encoder horizontal (HRL) encoder horizontal axis (HBW)	C2 (master)
10	Encoder vertikal (HRL) encoder vertical axis (HBW)	C4 (master)
11	Motor Förderband (HRL) motor conveyor belt (HBW)	M1 (master)
12	Motor horizontal (HRL) motor horizontal (HBW)	M2 (master)
13	Motor Ausleger (HRL) motor cantilever (HBW)	M3 (master)
14	Motor vertikal (HRL) motor vertical axis (HBW)	M4 (master)
15	Referenzschalter drehen (VSG) reference switch rotate (VGR)	I1 (slave)
16	Referenzschalter vertikal (VSG) reference switch vertical axis (VGR)	I2 (slave)
17	Referenzschalter horizontal (VSG) reference switch horizontal axis (VGR)	I3 (slave)
18	Fototransistor Weiß (Sortierstrecke) phototransistor white (sorting line)	I4 (slave)
19	Fototransistor Rot (Sortierstrecke) phototransistor red (sorting line)	I5 (slave)
20	Fototransistor Blau (Sortierstrecke) phototransistor blue (sorting line)	I6 (slave)
21	Encoder drehen (VSG) encoder rotate (VGR)	C1 (slave)
22	Encoder vertikal (VSG) encoder vertical axis (VGR)	C2 (slave)
23	Encoder horizontal (VSG) encoder horizontal axis (VGR)	C3 (slave)
24	Motor drehen (VSG) motor rotate (VGR)	M1 (slave)
25	Motor vertikal (VSG) motor vertical axis (VGR)	M2 (slave)

26	Motor horizontal (VSG) motor horizontal axis (VGR)	M3 (slave)
27	Kompressor compressor	O7 (slave)
28	Ventil valve	O8 (slave)

**Controller Sortierstrecke mit Farberkennung /
Controller Sorting Line with Detection**

Nummer Number	Funktion Function	Eingang/Ausgang Input/Output
1	Fototransistor Farbsensor phototransistor color sensor	I1
2	Farbsensor color sensor	I2
3	Fototransistor Auswurf phototransistor ejector	I3
4	Fototransistor Weiß phototransistor white	I6
5	Fototransistor Rot phototransistor red	I7
6	Fototransistor Blau phototransistor blue	I8
7	Fototransistor Weiß (VSG) phototransistor white (VGR)	I6
8	Fototransistor Rot (VSG) phototransistor red (VGR)	I7
9	Fototransistor Blau (VSG) phototransistor blue (VGR)	I8
10	Impulstaster pulse counter	C1
11	Motor Förderband motor conveyor belt	M1
12	Ventil Auswurf weiß valve ejector white	O5
13	Ventil Auswurf rot valve ejector red	O6
14	Ventil Auswurf blue valve ejector blue	O7
15	Kompressor compressor	O8

Begleitmaterial

<http://www.fischertechnik-elearning.com>