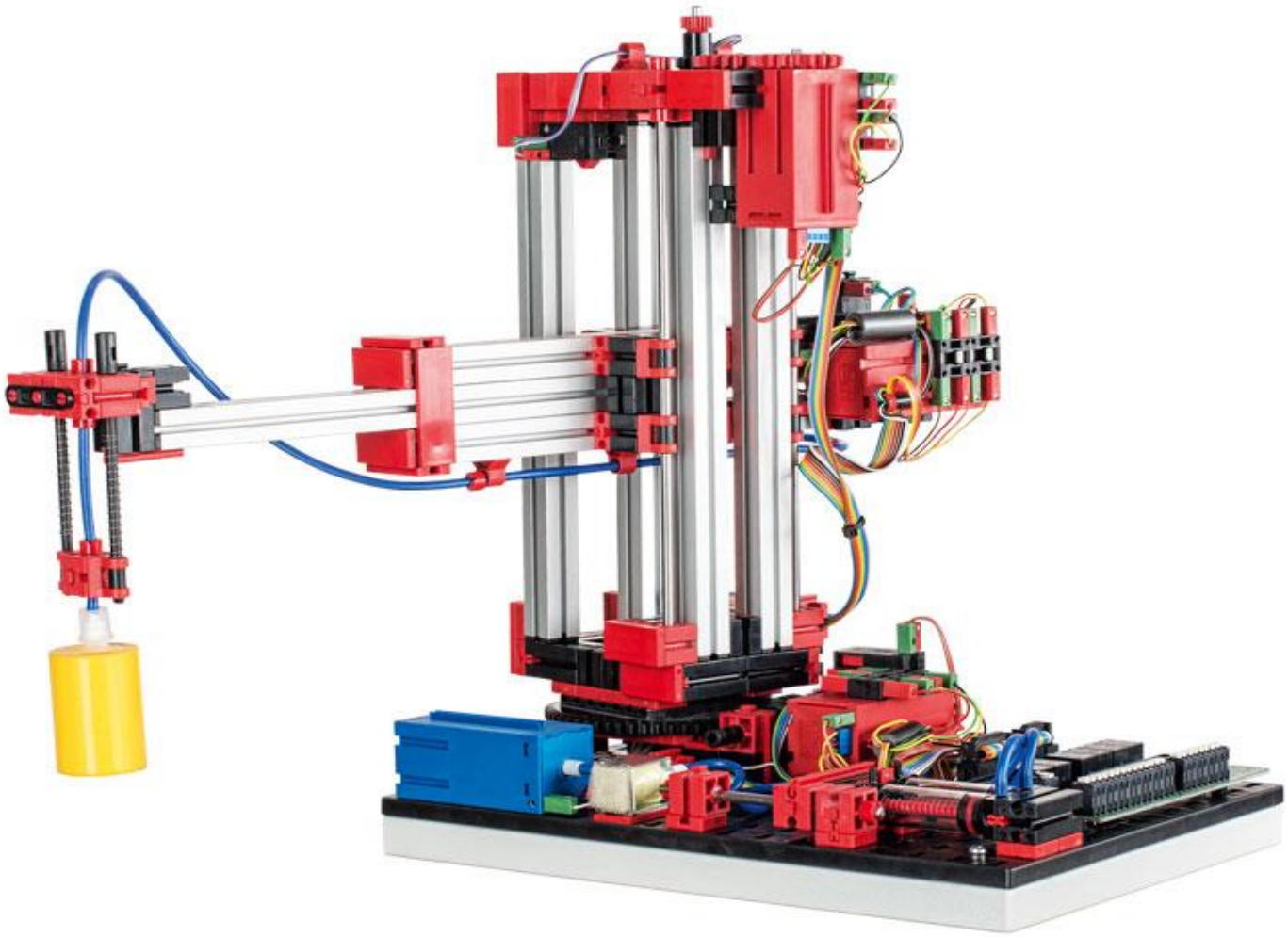
fischertechnik: Vacuum Gripper Robot

Station no. 536630

- Setting Up
- Assignment Plan

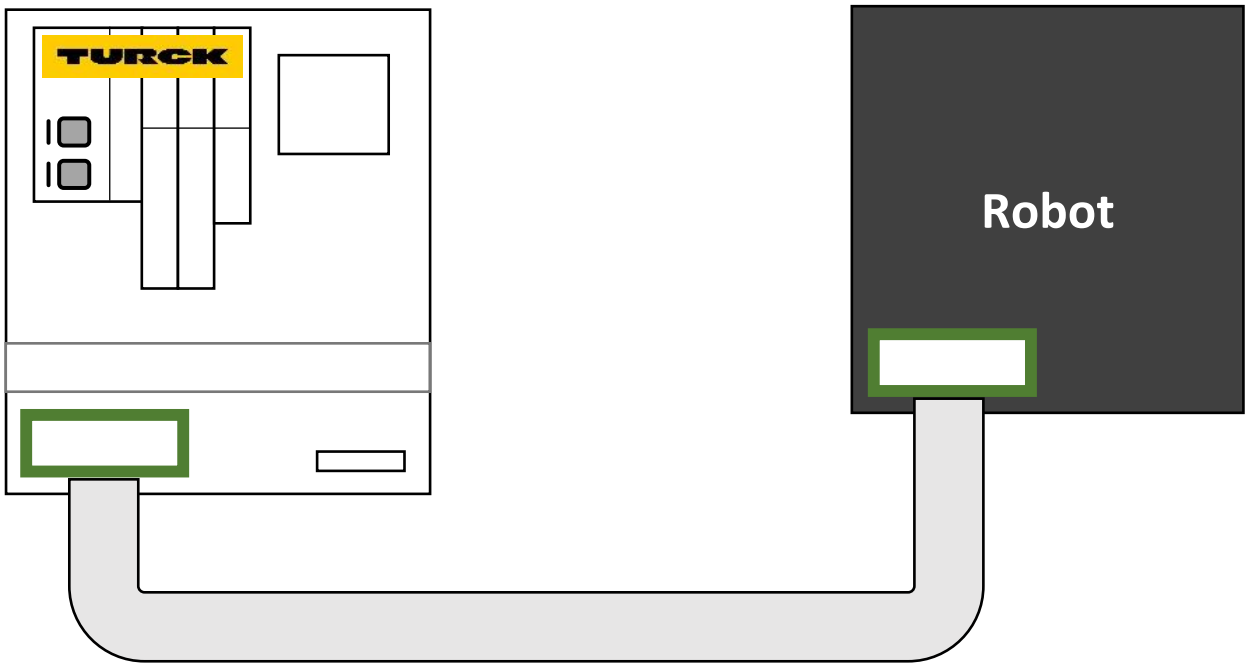


https://www.fischertechnik.de/en/products/simulating/training-models/536630-sim-vacuum-gripper-robot-24v

Setting Up

1.

Connect station.

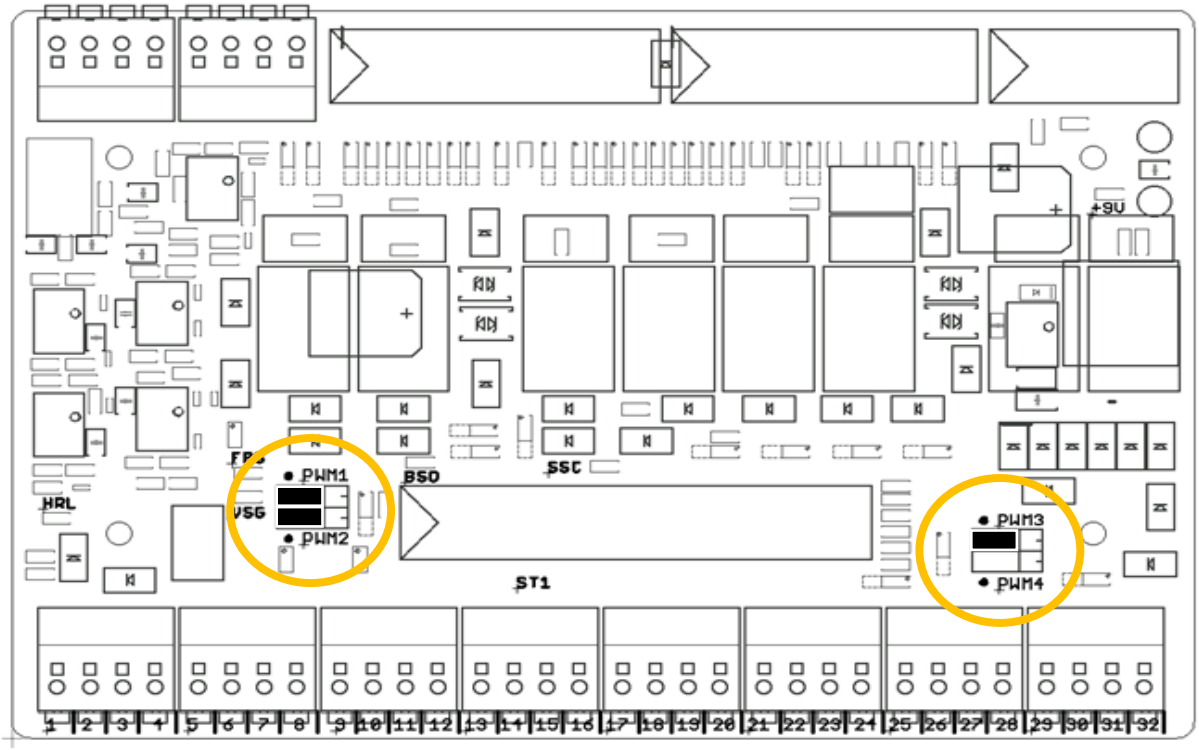


2.

Connect the two cables behind mounting board.

3.

Set PWM Jumpers to correct position

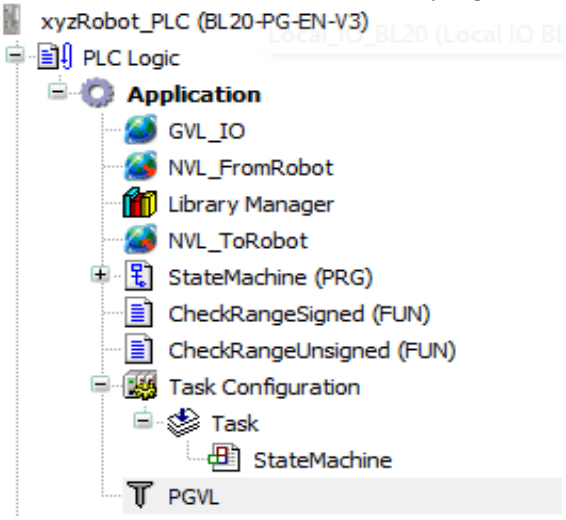


4.

Start programming!

5 Change pick/place positions

A. Go to the PGVL file in the XYZRobot program



B. Change the postion values, for the 5 different pick/place positions


```
StateMachine.EM_xyzTransport.a_dwPosition: ARRAY [0..4, 0..2] OF DWORD:= [  850,    545,    24,
                                                                            350,    160,    433,
                                                                            390,    800,    1170,
                                                                            220,    800,    1245,
                                                                            160,    800,    1333];
```

536630 Assignment Plan

Nr.	Function	Type	BL20 I/O Adress
1	Power supply (+) actuators	24VDC	*n/a*
2	Power supply (+) actuators	24VDC	*n/a*
3	Power supply (-)	0V	*n/a*
4	Power supply (-)	0V	*n/a*
5	Reference switch vertical axis	DI	IX28.5
6	Reference switch horizontal axis	DI	IX30.5
7	Reference switch rotate	DI	IX0.5
8	*n.c.*	*n/a*	*n/a*
9	Encoder vertical axis impulse 1	ENCODER	IX28.7
10	Encoder vertical axis impulse 2	ENCODER	IX28.6
11	Encoder horizontal axis impulse 1	ENCODER	IX30.7
12	Encoder horizontal axis impulse 2	ENCODER	IX30.6
13	Encoder rotate impulse 1	ENCODER	IX0.7
14	Encoder rotate impulse 2	ENCODER	IX0.6
15	*n.c.*	*n/a*	*n/a*
16	*n.c.*	*n/a*	*n/a*
17	Motor vertical axis up	DO	QX30.2
18	Motor vertical axis down	DO	QX31.2
19	Motor horizontal axis backward	DO	QX6.2
20	Motor horizontal axis forward	DO	QX7.2
21	Motor rotate clockwise	DO	QW26 byte 0
22	Motor rotate counterclockwise	DO	QW26 byte 1
23	Compressor	DO	QW26 byte 2
24	Valve vacuum	DO	QW26 byte 3
25	*n.c.*	*n/a*	*n/a*
26	*n.c.*	*n/a*	*n/a*
27	*n.c.*	*n/a*	*n/a*
28	*n.c.*	*n/a*	*n/a*
29	*n.c.*	*n/a*	*n/a*
30	*n.c.*	*n/a*	*n/a*
31	*n.c.*	*n/a*	*n/a*
32	*n.c.*	*n/a*	*n/a*
33	GND (0V)	GND	*n/a*
34	GND (0V)	GND	*n/a*

IDC