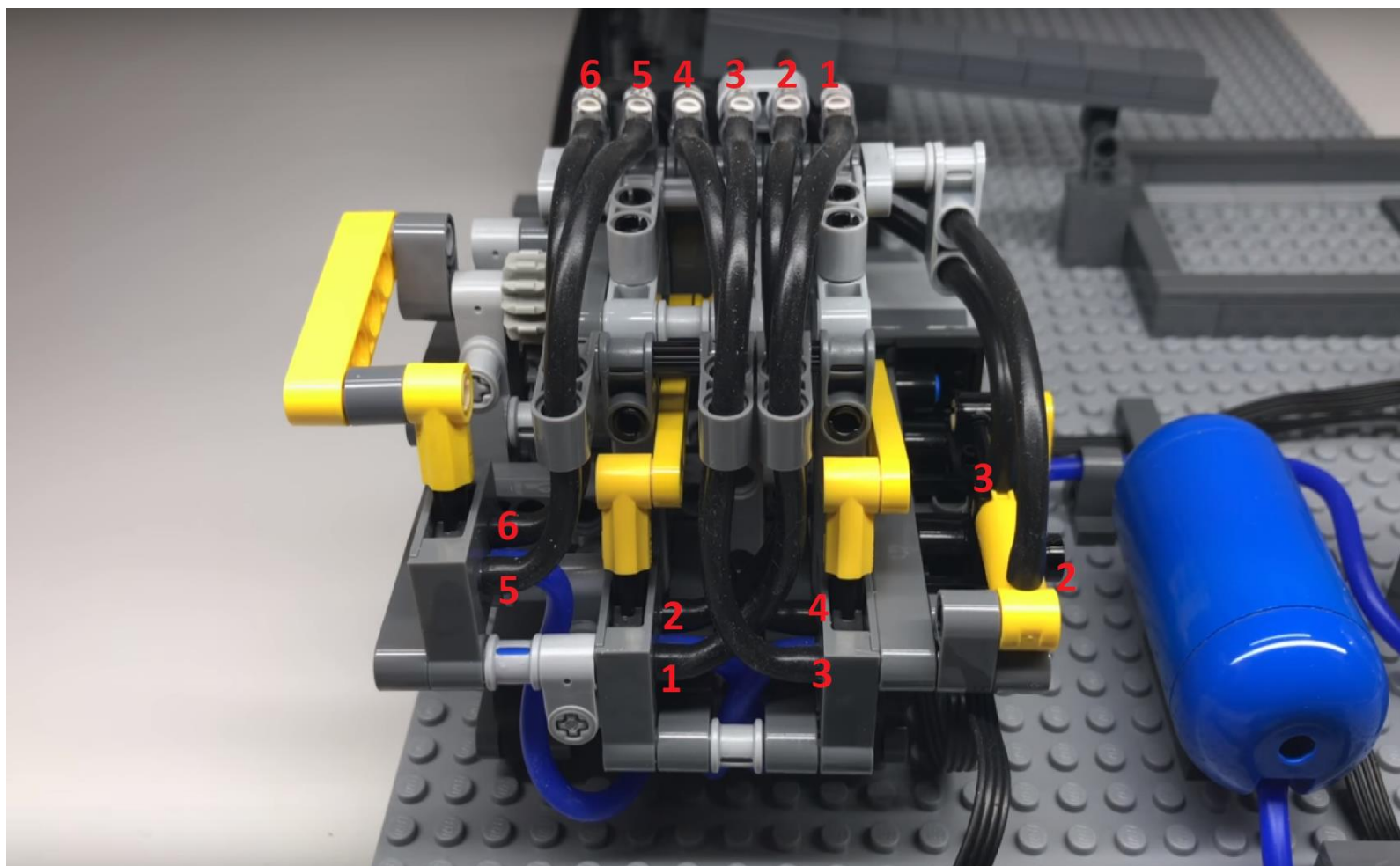


BUILDING INSTRUCTIONS

PNEUMATIC BALL FACTORY

Air circuits – How to connect tubes ?



Above you can find the references of the air circuits. Please pay attention to the second and third valve in the row ; they are connected to opposite air circuits.

Movements

Axis #1 : 180° turn (servo motor)

Axis #2: Horizontal movement

Axis #3: Vertical movement

Axis #4: Gripper turn

Axis #5: Gripper grip

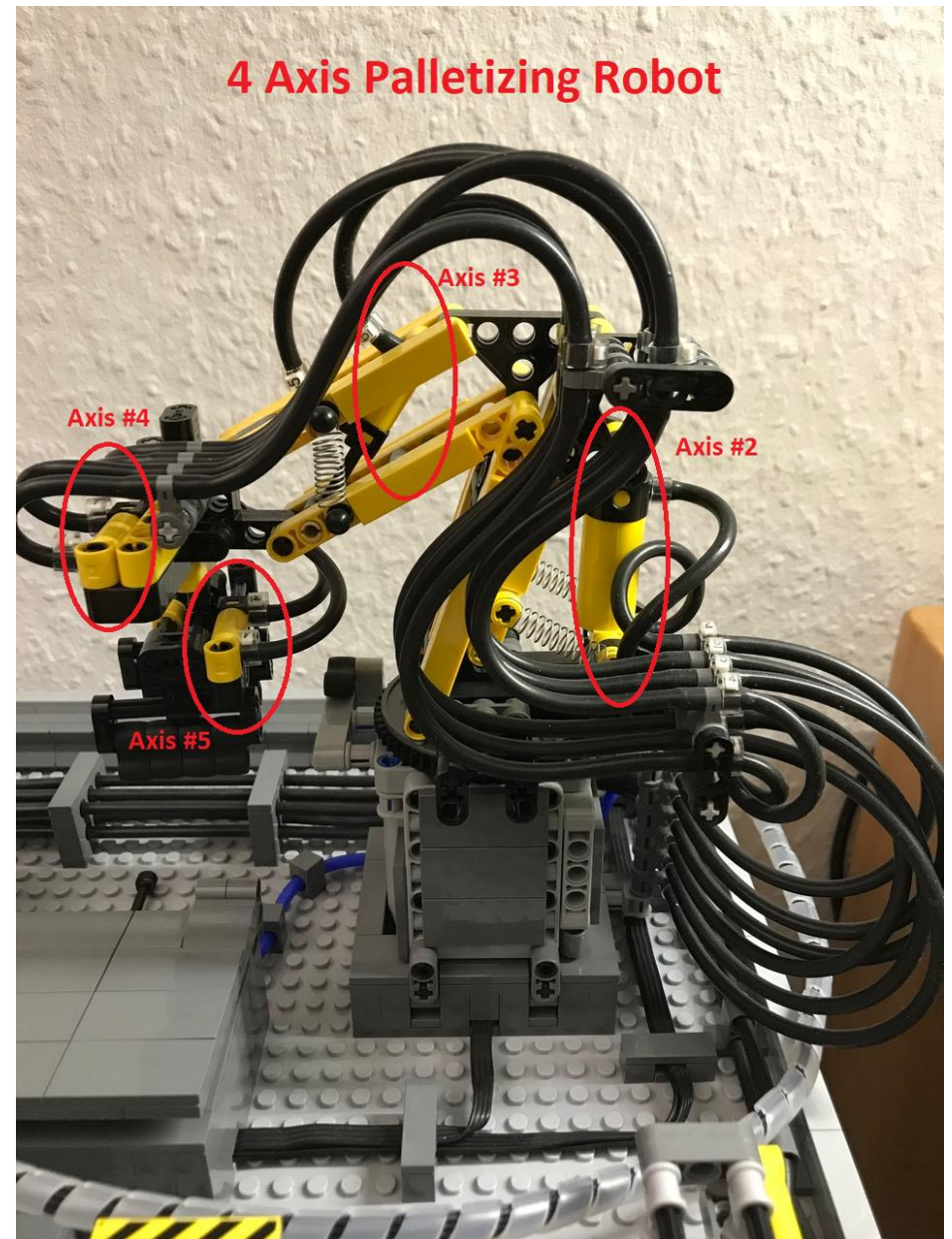
Air circuits

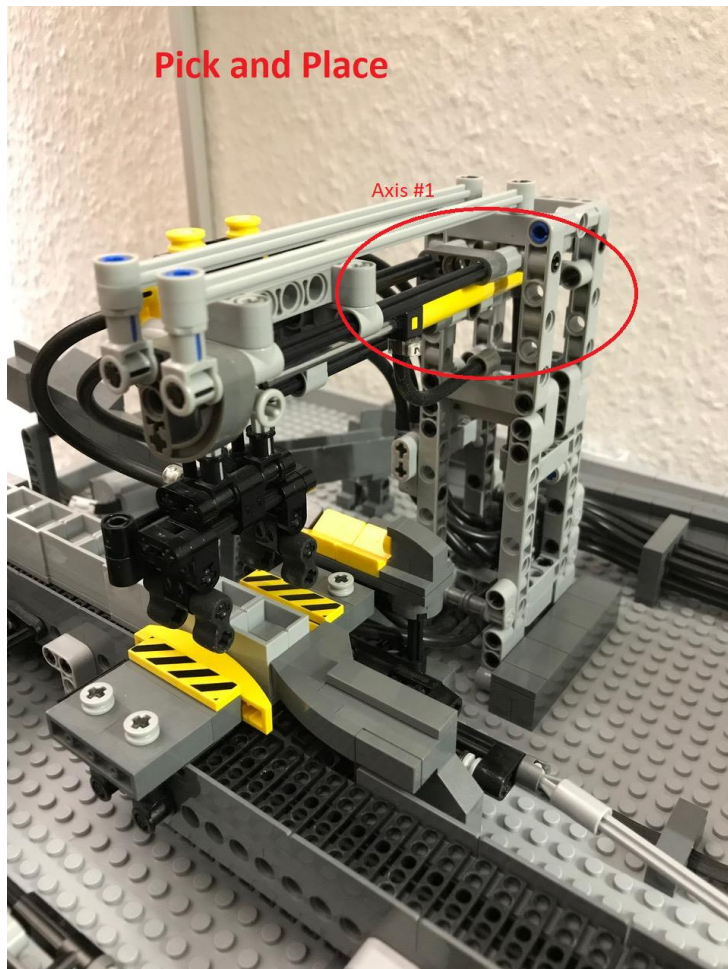
Axis #2 : circuit 2 (bottom cylinder) and circuit 1 (top cylinder)

Axis #3: circuit 6 (bottom cylinder) and circuit 5 (top cylinder)

Axis #4: circuit 1 (bottom cylinder) and circuit 4 (top cylinder)

Axis #5 : circuit 4 (bottom cylinder) and circuit 3 (top cylinder)



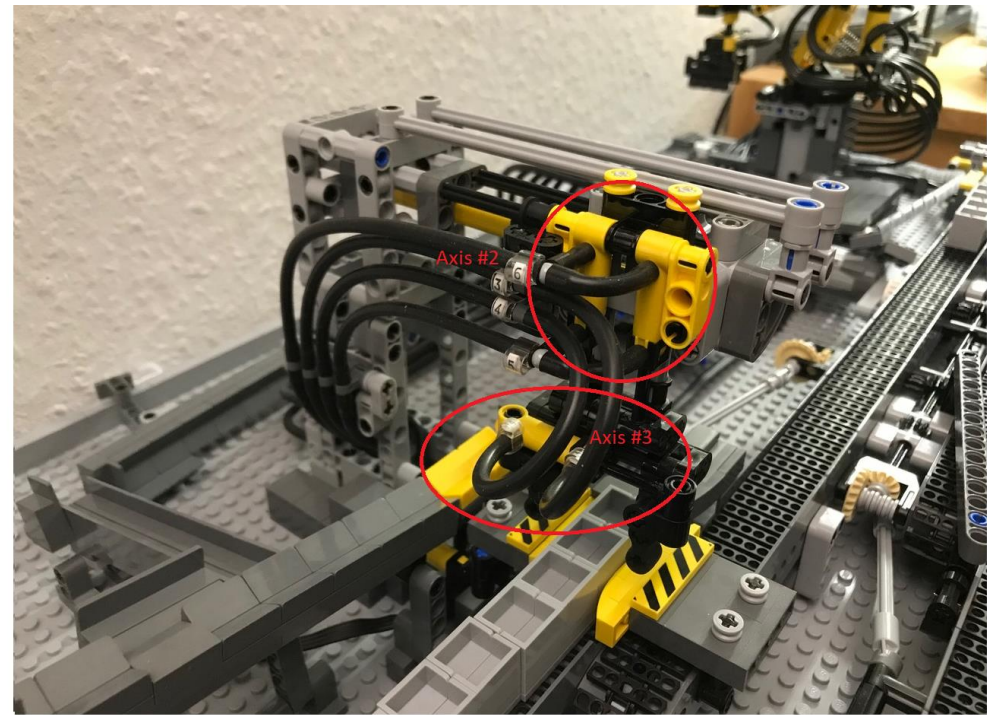


Movements

Axis #1 : Horizontal Movement

Axis #2 : Vertical movement

Axis #3 : Gripper Grip

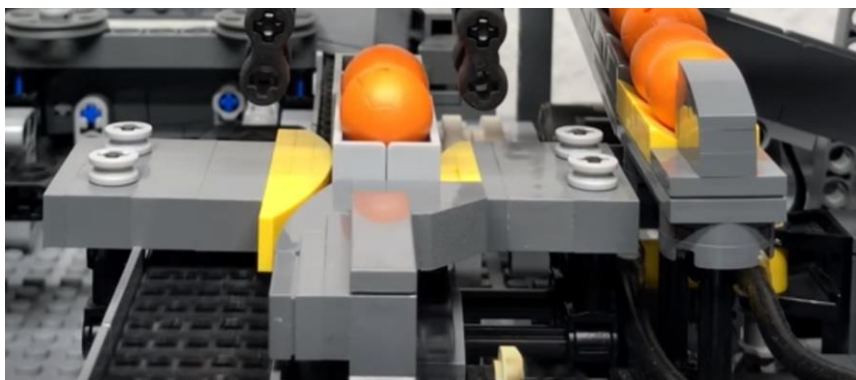


Air circuits

Axis #1 : circuit 1 (bottom cylinder) and circuit 2 (top cylinder)

Axis #2 : circuit 6 (bottom cylinder) and circuit 5 (top cylinder)

Axis #3 : circuit 4 (bottom cylinder) and circuit 3 (top cylinder)



The slide above the conveyor under the Pick And Place-module is moved by a tiny cylinder. **Air circuit:** circuit 2 (bottom cylinder) and circuit 1 (top cylinder)



The slide above the conveyor under the 4Axis Palletizing Robot-module is moved by a tiny cylinder. **Air circuit:** circuit 1 (bottom cylinder) and circuit 2 (top cylinder)