

Components:

- Two double-acting cylinders
- One way flow control valves
- 5-way DCV
- Air service
- Compressed Air supply
- Magnetic Proximity Switches
- Make Switch
- Break Switch
- Detent(make switch)
- Relays
- Valve solenoids

Connection Procedure :

- Drag and drop in all the components mentioned in the components required in the workspace.
- Connect one-way flow control valve with 5 way dcv and double-acting cylinder. Connect air service to dcv and attach Manual actuator as shown in the schematic diagram. Follow the same instructions for another double-acting cylinder.
- Connect the Magnetic proximity switches (A1,A2,B1,B2) with relays(K1,K2,K3,K4) and connect a detent switch (make) before A1 magnetic proximity switch.
- Connect the switches with respective relays and valve solenoids as shown in the schematic diagram.

Working:

- Press Detent switch to make current flow in the circuit. In the conveyor the box sheets will be moving, First S1 will be activated then Cylinder A will extend and S2 will activate and Cylinder A will retract so, the box will be formed
- Then, S3 will activate and Cylinder B will extend. After this process, S4 will activate and Cylinder B will retract so, the box will be moved out and carried on the conveyor for further process.