Name: _____

Date: ____ _____ _____ **RSLinx Ethernet/IP: _____**
Year Month Day

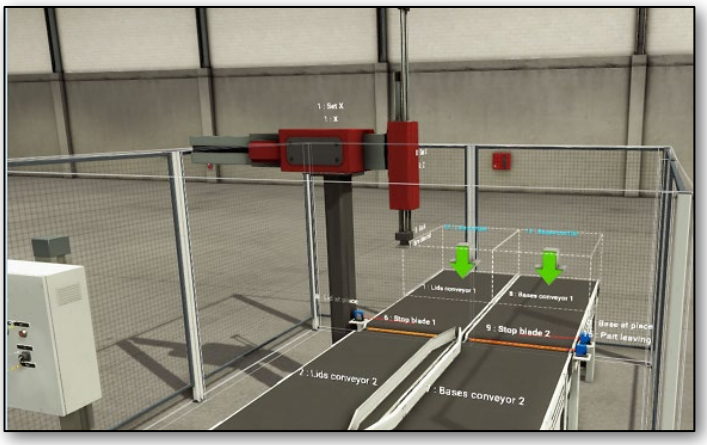
Assembler LAB 1 – Purposes: The student will learn to:

1. Become familiar with FactoryIO Simulation Software
2. Connect the Simulation to a Rockwell PLC
3. Create a basic PLC program to move the simulated object as per the stated requirements.
4. Design while keeping in mind that there will be future additions to equipment and functionality.

Required:

Deliverables:

- Successful demonstration of the basic Automatic Operation
- Copy of Documented PLC Code



Assembler Scene

Other Specifications:

- Watch video
- Load Scene
- Follow instructions to create working program that matches video
- Create Controller Tags to communicate with the Simulation
- Create Local Tags to match the Input / Output Descriptions from Factoryio
- **Do not move, delete or add components, change timing or forces or otherwise alter the equipment**.

Note: You may remove the guarding to make it easy to work with the simulation.

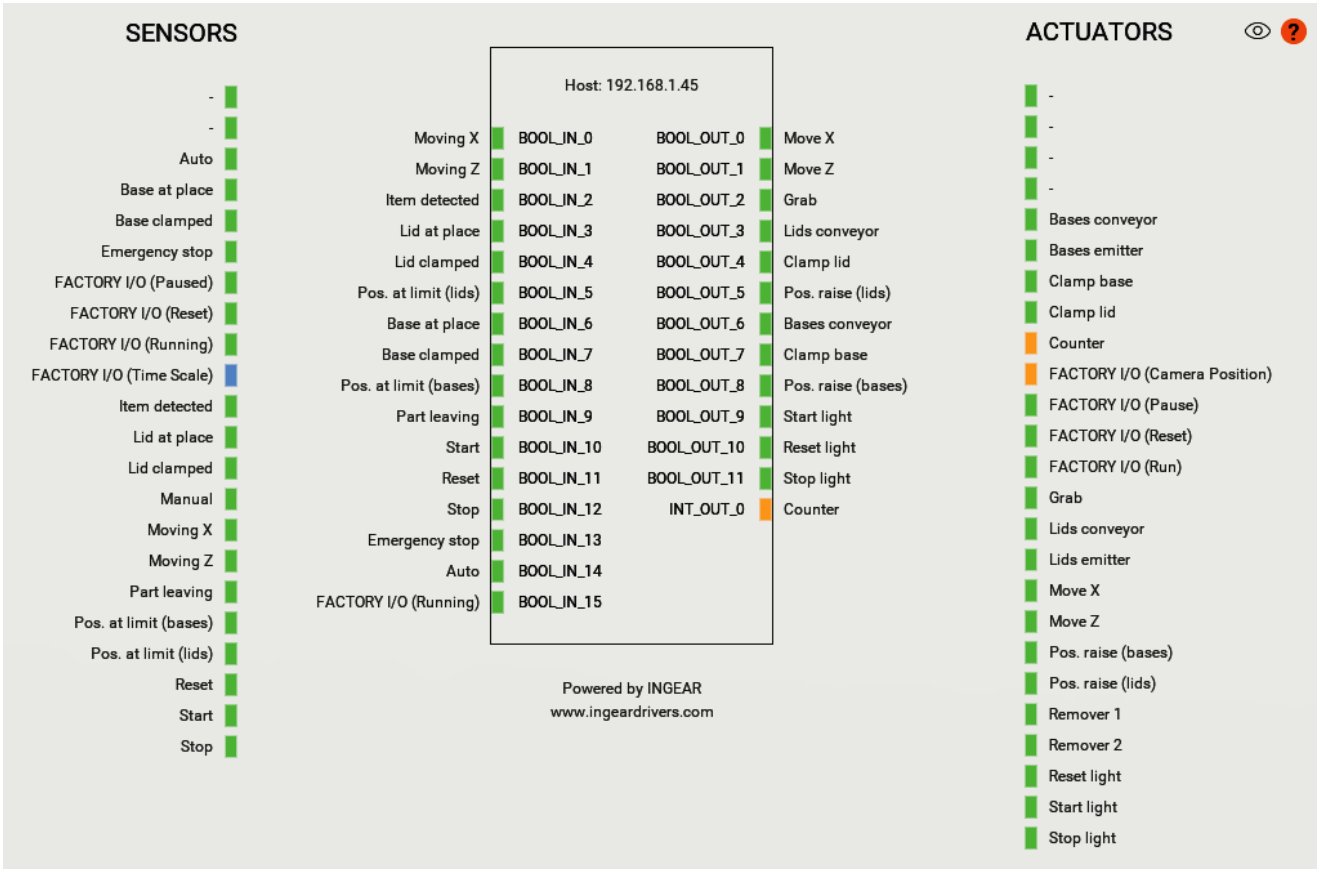
Future Considerations:

- This will be followed up in subsequent labs so you should keep in mind what it will take to add Modes of operation for Assembler - Lab 2 (ie: Auto / Manual)
- This project will be used for a two station networking exercise in Assembler -Lab 3.
- Add Sensor Detection to only Assemble Matched Pairs

Lab is due _____

Assembler LAB 1 – Additional Information:

Do not alter the standard scene input and output configuration.
Change the IP Address to match your PLC.



Standard Assembler Configuration