Soft Robotics Actuator

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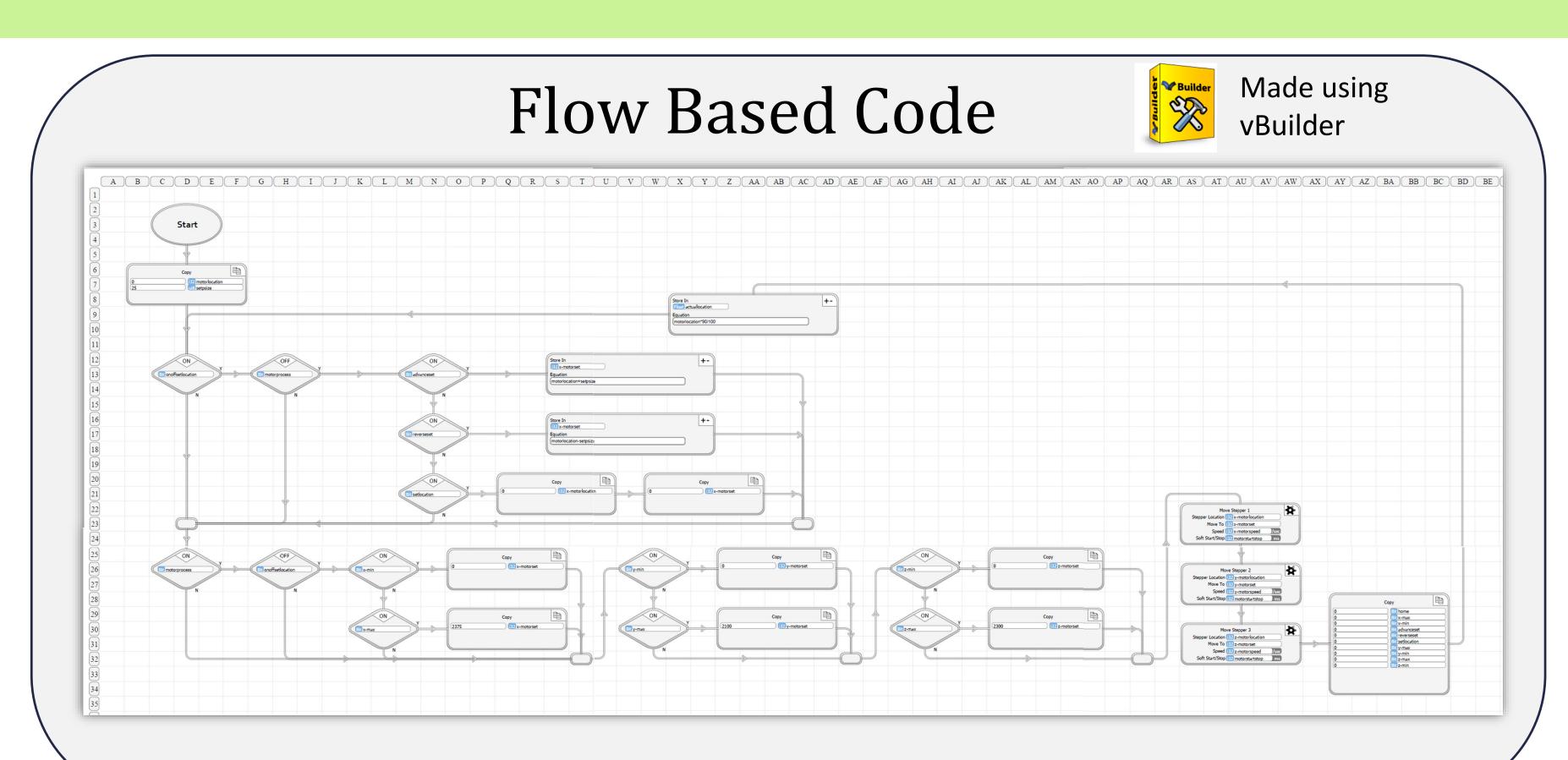
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What is soft Robotics

A field of robotics that constructs components of robots out of soft and flexible material





Why Soft Robotics

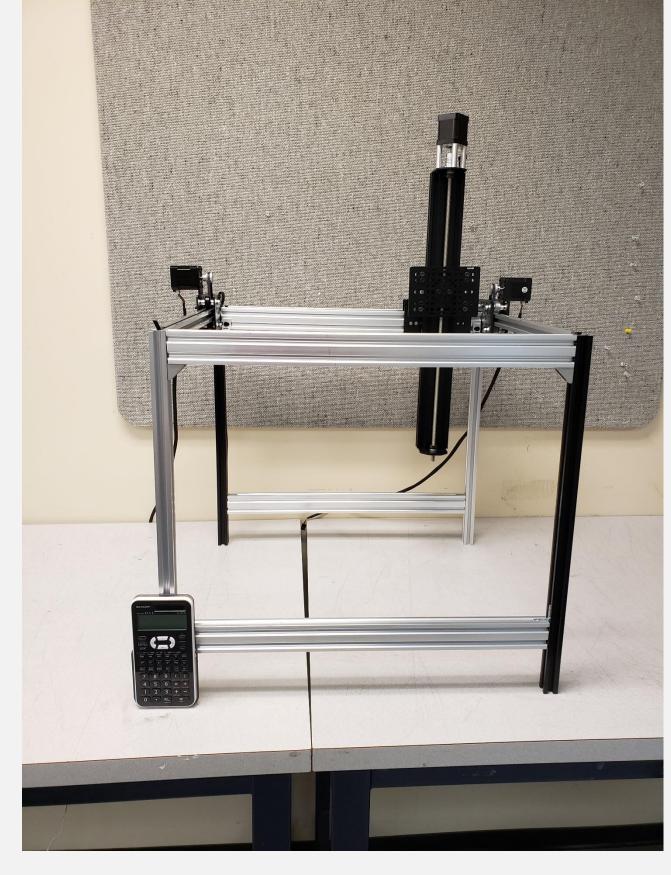
The soft bodies of these types of robots have many applications

- Surgical assistance
- Food preparation industry
- Bio mimicry
- Exosuits

Term Objective

To construct the a Cartesian robot that a soft pneumatic actuator can be mounted to



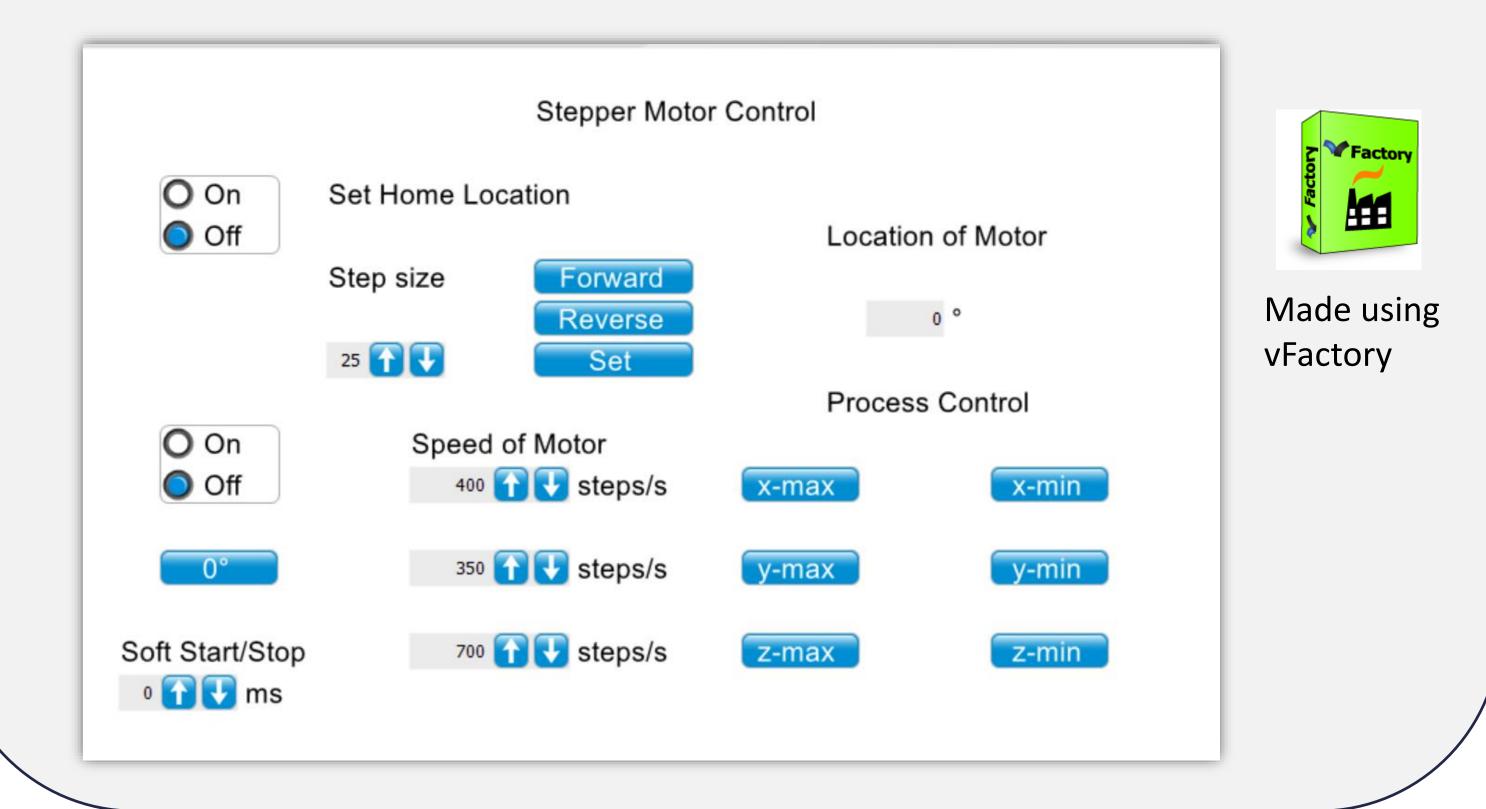


Next Term Objective

Design and test multiple soft actuators using solid works to design molds for the silicone actuator

User interface

A screen shot of the user interface that allows the user to control the axes independently



Circuit Diagram

Diagram of the how the motors are wired to the PLC

