

Sorting items for assembly line system

Sensor used: Two Ultrasonic distance sensors.

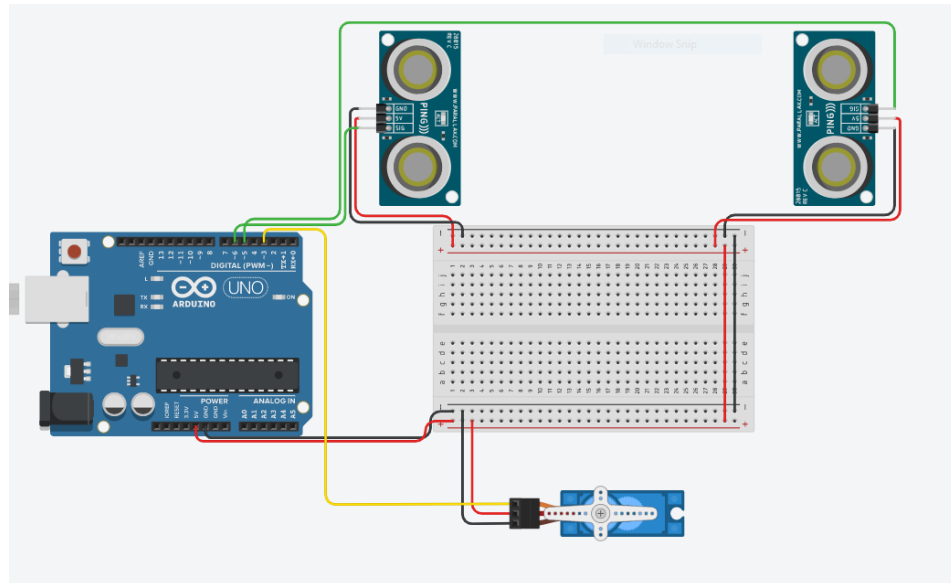
Controller used: Arduino uno.

Motor used: Servo motor

How the system works:

- Two ultrasonic distance sensors are placed opposite to each other with free space in between where the items pass by, the sensors will measure the free space on each side of the item which then the system will deduce the size of the item.
- The system will sort the items as followed:
 - Small to the right.
 - Medium to the left.
 - Large to the middle.

Circuit:



Tinkercad: <https://www.tinkercad.com/things/hLdSdNDJd4y>