

COLOR SORTER PROJECT

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REPORT

About the machine's working principle:

Initially, the colored skittles which are held in the charger drop into the platform attached on the top servo motor.

Then the servo motor rotates and brings the skittle to the color sensor which detects its color.

After that the bottom servo motor rotates to the particular position and then the top servo motor rotates again till the skittle drop into the guide rail.

Building The Design!



The Material

We used 4 mm MDF for this project because we wanted it to be light and strong at the same time.

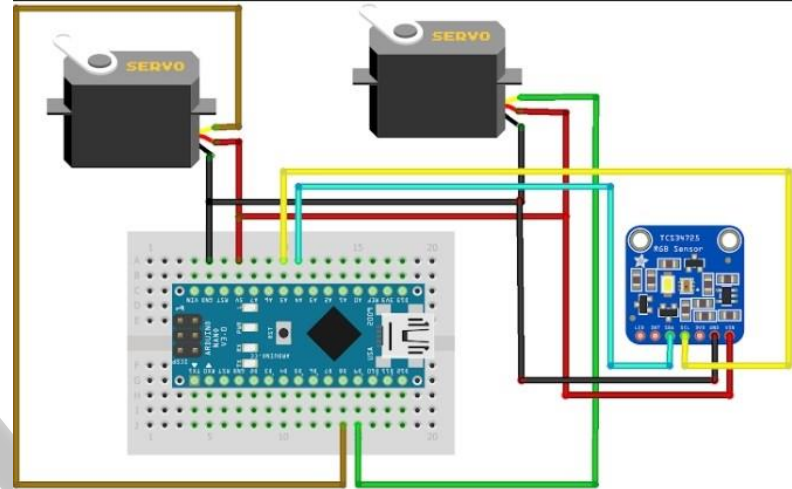


Assembling

We got help from a carpenter for the pieces and once we got all the parts ready we started assembling them.

We connected the components together according to the following circuit schematics

We got the components needed for this project from Amazon.



**And The
Result!**

