

Material List

- 4 DC Motors
 - 1) For the assembly line that will carry the input disks at the start
 - 2) Assembly line going to white disk output section
 - 3) Assembly line going to black disk output section
 - 4) Movement of the gripper (up and down)
- 3 Infrared Sensors (maybe more due to fault detection)
 - 1) To check whether there is an input or not
 - 2) To check whether the disk is white or black
 - 3) To check whether the gripper successfully held the disk or not
- 2 L293D Motor Shield Driver
- 2 Servo Motors
 - 1) To close/open the claw of the gripper
 - 2) To show the direction of the correct assembly line to the ongoing disk
- 1 External Power Supply
- 1 Buzzer
- 1 Stepper (for 360-degree rotation of the gripper)
- LEDs for feedback from the robot