



Sorting Waste Machine

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Outlines



**What is Sorting
Waste Machine ?**

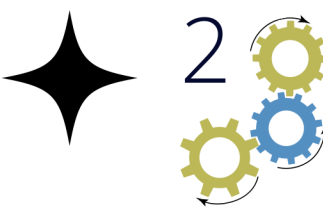
Motivations

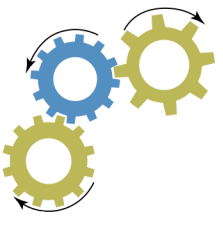
Features

Future work

Constraints

Components





What is Sorting Waste Machine ?

A sorting waste machine is a technological solution that separates and sorts waste to metal and plastic

Motivations

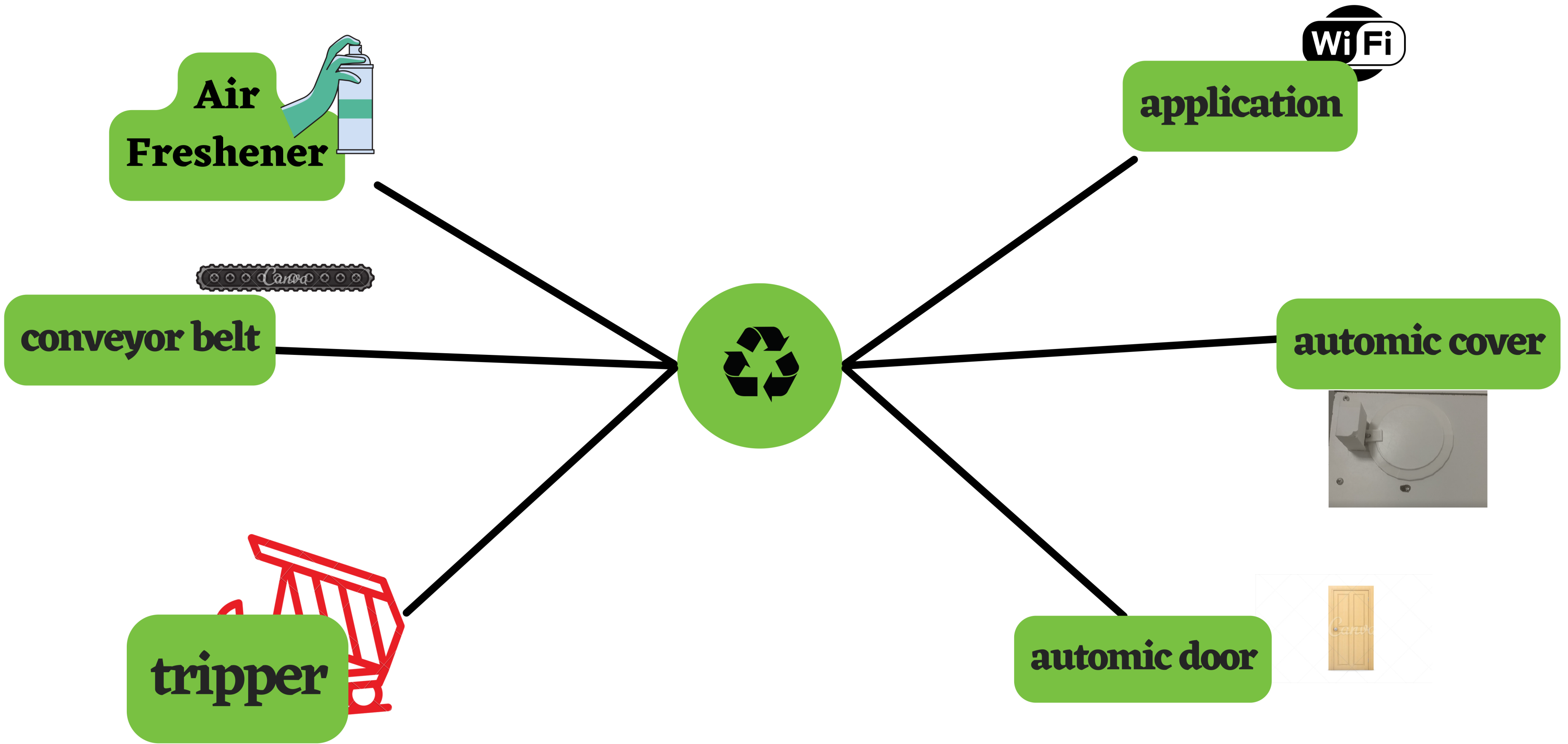
Not recycling waste that is useful to factories is a problem because it can have negative consequences for the environment, economy, and society



so sorting waste machines improves sorting waste to recycle it later



Features



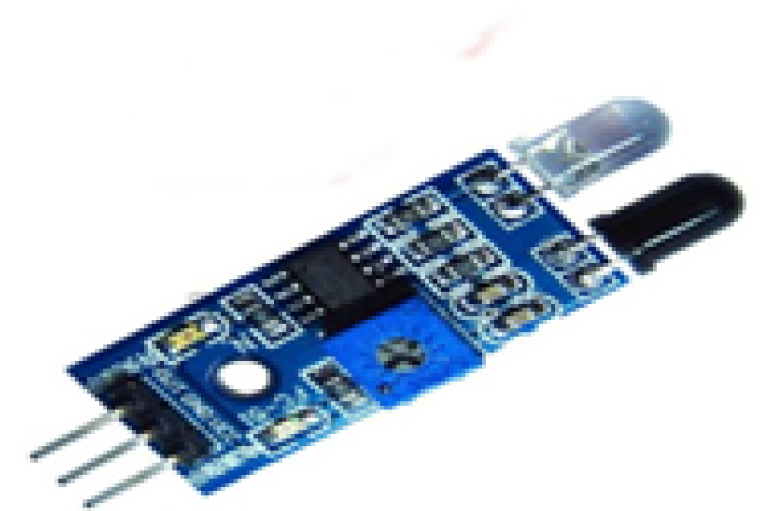
Components



Inductive Sensor



Capacitive Sensor



IR Sensor

Components



Arduino Uno

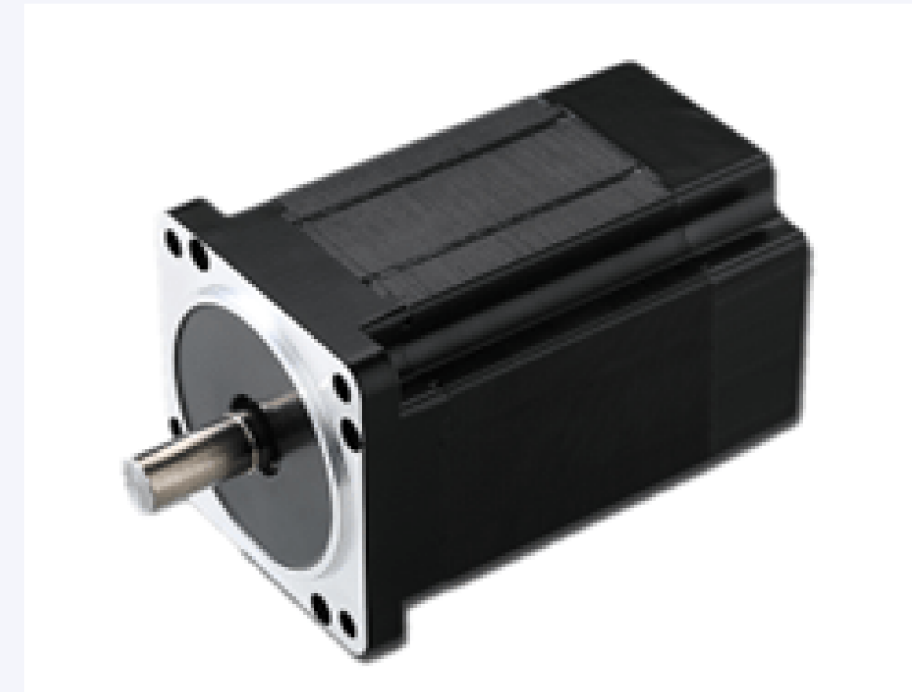


esp8266 module

Components



Dc motor



servo motor

Components



DIP Relay



Limit Switch

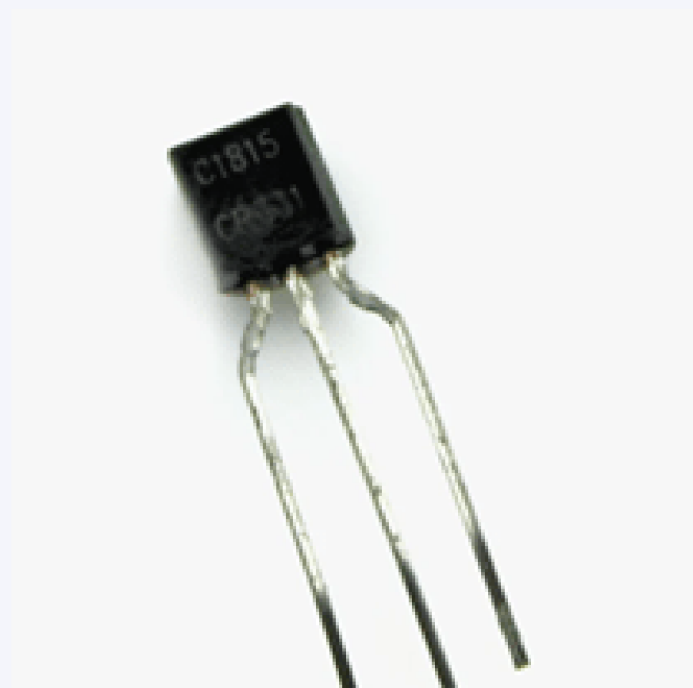


Relay

Components



**Trimpot
Potentiometer**



Transistor



Capacitor



Lathe Gear Metal

Components



Power supply



Adapter



**voltage regulator
17805cv**

Components



DC Solenoid



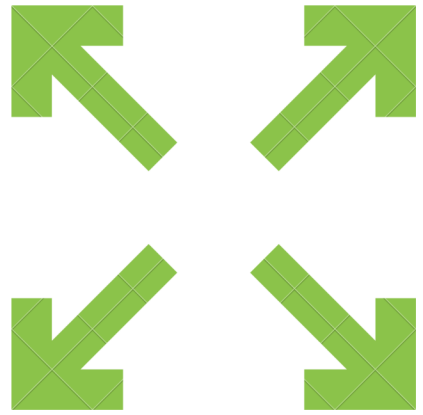
Air Freshener



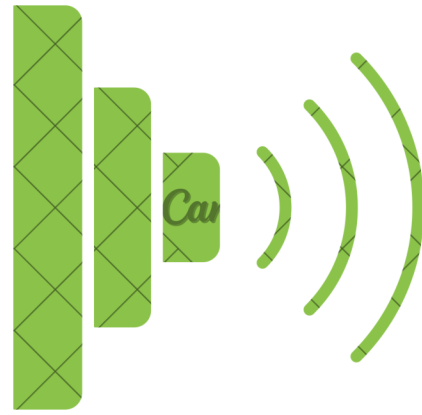
RFID Tags

Constraints

size



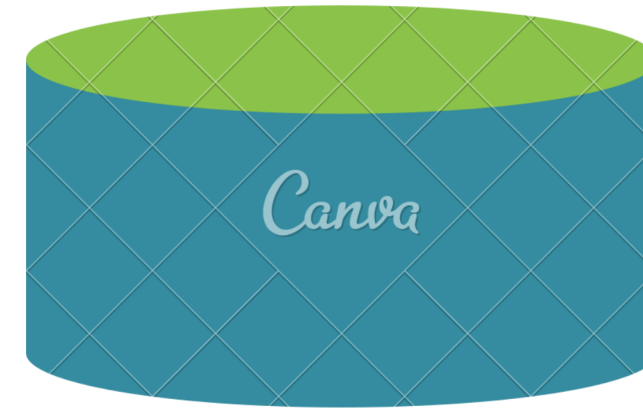
sensitive



Accuracy



specific thickness



noise



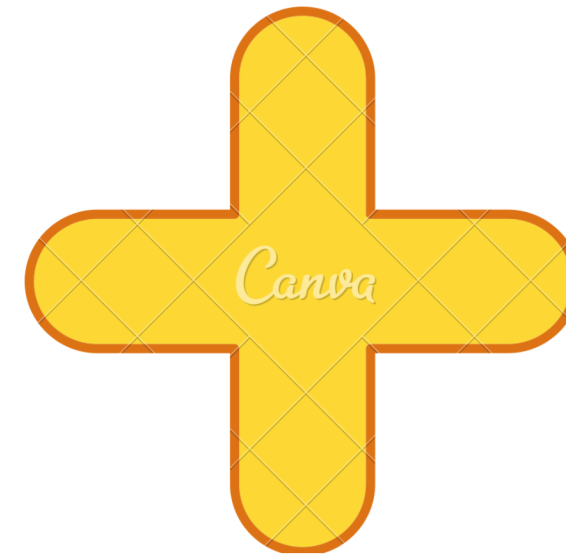
Future work



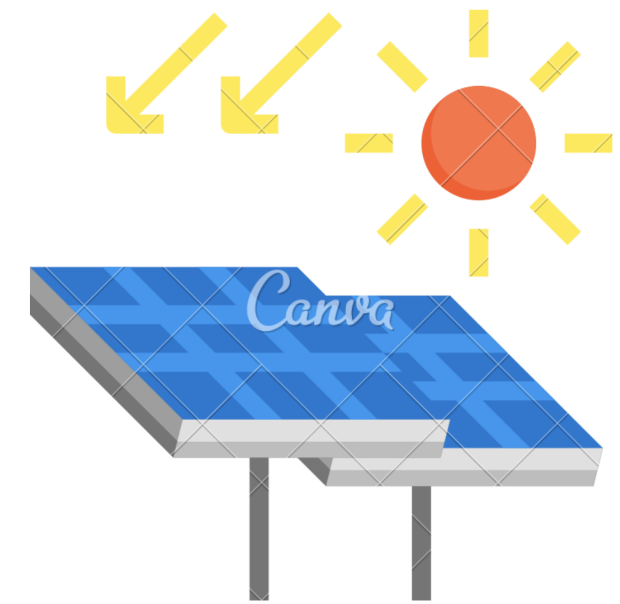
Notification



Money



adding more sensors



solar panel



THANKYOU