

The Can Crusher

Features:

- Automatic Can Crusher enclosed in a trash can
- Be able to detect and sort aluminum cans from plastic bottles and glass bottles
- Eject aluminum can into storage bin
- Sensors to detect when can is drop into trash can also when storage bin is full
- LED to let user know trash can is open for operation (Green LED light)
- LED to flash when trash is full (Red LED light)
- Have the lid close when LED light is flashing
- Have a storage bin with easy access to empty (paper shedder model)
- The ability to turn on and off through wireless feature (ex. Computer /Android smartphone)
- Send notification Via email to alert user the trash can is full

Budget

- Bluetooth 10\$
- LCD display screen \$20
- Sensors \$10
- Compressor \$150
- Pneumatic Aluminum Can Crusher \$150
- Microcontroller \$15
- Transceivers \$20

Final Price: \$375