

THE DESIGN OF A DEVICE THAT CAN RECYCLE ALUMINUM CANS INTO DECORATIVE ITEMS

Prepared by: Wong Kit Hong

ABSTRACT

The title of my final semester project is the design of a device that can recycle aluminum cans into decorative items. This project is a device that has a compact size and simplified construction that able to be used. In general, the process for getting the small aluminum pieces with different shape can be divided into 2 stages. The 1st stage is to remove the both ends of aluminum can and compress the remaining portion into flat piece at the same time. The 1st portion of the project will complete all the works of the 1st stage. On the other hand, the 2nd stage is to cut out the small aluminum piece from the compressed flat aluminum piece as decorative items or decorate something that you like. By the way, there are 3 types of shape for the cutters. Therefore, you can choose any cutter that you prefer and fix it into the dives in order to cut out small aluminum pieces. The 2nd potion of the project will complete all the work of the 2nd stage. Lastly, the 2 stages, the product, small aluminum piece with different shape, will be obtained.