

TO DESIGN AND CONSTRUCT A MINI CRUCIBLE FURNACE TO MELT ALUMINUM

Prepared by: Justyn Ho Wei Shen

ABSTRACT

This project report covers in detail the concept, application and construction of the aluminum melting mini crucible furnace. It is designed for recycling empty aluminum can drinks and/or for users who only want to melt aluminum in small amounts.

The introduction will explain the application of the mini crucible furnace and its features, while the body will include the design and construction process of the entire project. There will be a few AutoCAD drawings of the mini furnace to aid readers in understanding this report. The conclusion mentions in detail the problems encountered and their solutions, further recommended improvements and an overall summary.

The bibliography will list all the websites and texts I have researched during the process of this project.