

DESIGN OF A JELLY SWEET PRODUCTION MACHINE

Prepared by: Taha Abdulmalek, Seow Boon Yik, Loo Yee Chye

ABSTRACT

The title of this project is to design and build a jelly sweet production machine. The fundamental steps of our project were to plan, design and build a prototype of a jelly sweet production machine. Initially, a tank was used to store and heat the jelly. After that, a flexible hose was used to transfer the jelly from the tank to the mold. Following that a flexible hose was attached to a fixed support arm. This arm which is controlled by a pulley moves vertically up and down in order to fill the mold cavity with liquid gelatin through a pouring cup. The conveyor is used for the purpose of transferring the mold cavity so that it can be filled with jelly and pneumatic cylinder is used to open the mold so that we can get our final product – Jelly. The entire process is controlled by a PLC.