

**DEVELOPING AND CONTROLLING A CUTTING STICKER WITH
PROGRAMMABLE LOGIC CONTROLLER**

By

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

DEVELOPING AND CONTROLLING CUTTING STICKER WITH PROGRAMMABLE LOGIC CONTROLLER

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Programmable logic controller (PLC) is an industrial type control system which has been adapted for control of manufacturing processes. This computer control system continuously monitors the input and output given by the operator and make decision depends on the custom program given by operator. Nowadays, PLS usage has been increased in a lot of big industries, such as: automotive, electronics, printing, etc.

This thesis project is focusing on making a motion controller for XY-table with PLC and making a pattern for a sticker cutting. Later on, the Z axis of the table will be added to simulate the sticker cutting process

- *Keywords: Programmable Logic Controllers, XY-Table, Motion controller.*



DEDICATION

I dedicate this thesis for me, my family, friends, and anyone who want to learn about
PLC



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