

**DESIGNING AND CONSTRUCTING A MACHINE
TO REMOVE CONTACT LENS FROM A CAST MOULD**

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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

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This thesis is made to design, develop and control a machine to remove contact lens from its mould. There are 5 processes run on the machine, such as pre-stress, splitting process, extraction, pick and place and empty mould disposal. The machine is a semi-automated machine, since there is still an operator intervention to feed the parts. There are processes that run mechanically and automatically based on control system. The control system is done using PLC by using Omron CX-Programmer.

Keywords: Automation System, Pick and Place, Contact Lens, PLC, Design



DEDICATION

I dedicate this thesis to God, beloved family and friends



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