

PROTOTYPE DESIGN COLLECTION

SERIES 2



Prototype Design Collection

Series 2



AHMAD NAJMIE RUSLI

**UNIVERSITI TEKNOLOGI MARA CAWANGAN JOHOR
KAMPUS PASIR GUDANG**

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FOREWORD

This digital book on Prototype Design Collection Series 2 (PDC Series 2) is published as a reference design for mechanical engineering students. The designs presented experience a few phases of analysis before fabrication of prototype. Each project summarises the project description, prototype, figures, and design parameter. The design products vary in tools or equipment for household, workshop, entrepreneur, etc. Suggested material and detail of prototype dimension are also mentioned in this book.

It is hoped that this book will assist the students to have more ideas on innovation design products in the future.

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CHAPTER 16

Advanced Food Folder Machine

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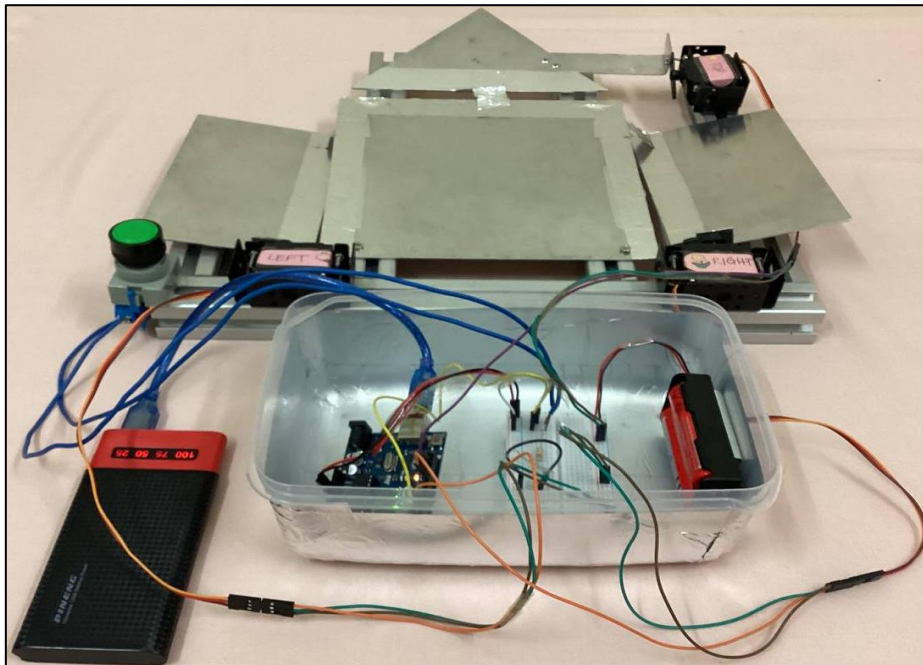
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PROJECT DESCRIPTION

In recent times, a growing number of people are running small food businesses from their homes, producing large batches for sale. This project aims to provide home business owners with a more efficient way of managing their operations. The proposed solution is an advanced food folding machine, primarily designed for Kuih Popia and Kuih Roti Jala. The problem being addressed is the time and effort required to fold these food items, which can be a challenge for small business owners. By developing a machine that can fold the food quickly and easily, this project aims to improve the daily lives of these business owners. The design process will be carried out using SOLIDWORKS software, which will allow for simulation and testing to ensure the design is successful. The significance of this project lies in the reduced cost of production achieved using the machine, as well as the decreased need for additional assistance for small business owners.

Keywords: *Folding machine, Design, Fabricate, Suitable Appliances*

PROTOTYPE



DESIGN PARAMETER

