

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 125

Design and Fabrication of Slicer with Many Blade

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PROJECT DESCRIPTION

The project is to invent a new type of slicer with advance safety aspect for customer requirements. The principle is not too different, but the material and concept design will be different. The problems statements for this project is people can easily get injury in kitchen while cutting or slicing vegetables by using the normal knife. By producing this slicer, the problems can be solved, and customers will feel safer when use the slicer. One of the objectives is to design a slicer that have a complete safety for customers use. It is important to produce a safety item that want to be sell. In this project, it will consume some of skills to make it done like welding, drilling and so on. This project will be in superb design, minimize size so that people can moveable and the most important part is the slicer can secure the safety of the users.

Keywords: *Slicer, Safety, Design*

PROTOTYPE



DESIGN PARAMETER

