

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 74

Texture Dough Machine

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PROJECT DESCRIPTION

Traditional dough kneading methods necessitate considerable energy expenditure and manual skill. In contrast, the introduction of a dough texture machine has revolutionized the process, enabling significant time and labor savings. The utilization of this machine demands precise adherence to operational protocols, ensuring consistent and predictable outcomes. Furthermore, this project encompasses the analysis and modification of existing dough texture machines to enhance their suitability for everyday use, aligning them with the specific needs and preferences of their intended user base. Notably, additional features have been incorporated into the design to expedite the dough-flattening process, reducing time and effort. In conclusion, this project strives to provide a practical solution to the challenges associated with dough preparation. By optimizing the functionality and convenience of dough texture machines, it endeavors to simplify the dough-making process for users, contributing to increased efficiency and quality in dough-based culinary endeavors.

Keywords: *Dough*

PROTOTYPE



DESIGN PARAMETER

