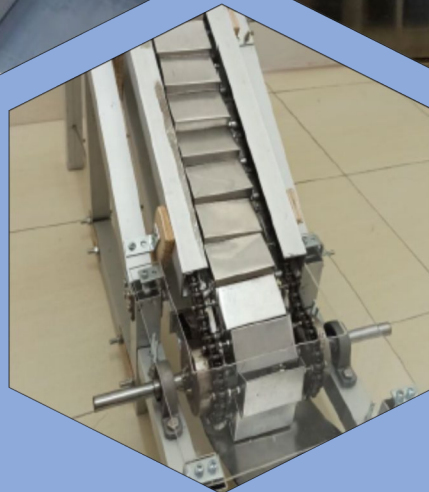
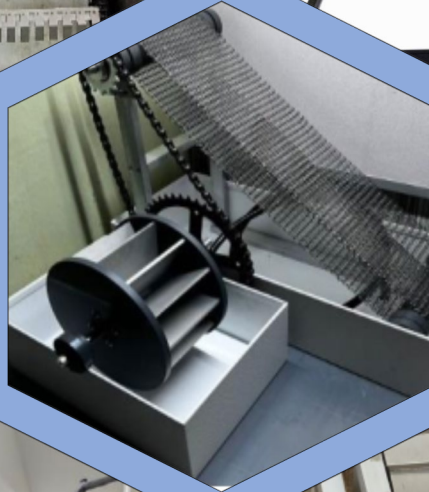


PROTOTYPE DESIGN COLLECTION

SERIES 1



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CHAPTER 54

Design, Analysis and Fabrication of Adjustable Wrench

Muhammad Amirul Aiman Mohd Faizal and Mohd Fadzli Ismail

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PROJECT DESCRIPTION

Adjustable wrench is a project implemented to ease maintenance work especially for women. The existing adjustable wrench acts as loosen and tighten nuts and pipe connectors of different sizes. Based on the survey, there are a lot of problems that users face while using adjustable wrench. In the production of project design, there are several factors that need to be considered. Among the factors are in terms of material selection, design concept, measurement analysis, engineering drawing, engineering calculation, and CAD's drawing. This project presents an implementation of theoretical and technical skills in design and fabrication of the adjustable wrench using recyclable items. By using all the knowledge, this project can reduce the time of use and can lower the risk of being injured while using the product. The materials used for the project are easy to get and affordable. Use of the machine must be in accordance with the SOP and safety set to prevent any accidents while doing this project. Expected result from this project is to hope that this project can achieve the objectives, which can benefit the society and can reduce the injury at home and at work, fulfil, and can overcome the problems that have been stated by respondents.

Keywords: *adjustable wrench*

PROTOTYPE



DESIGN PARAMETER

