

THE DESIGN OF A TABLE TENNIS BALL MACHINE

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ABSTRACT

In writing this final report, I have been primarily concerned with the presentation of the basic theories that I have studied during previous semester in my diploma to design a table tennis ball machine. The emphasis more on the consideration of the treatment presented is aimed at practical condition.

This final report is written as to understand the nature of engineering design and basic physics theory (such as projectile motion) concept. However certain topics, including on how to design a table tennis ball machine, is not commonly found in any textbooks or thought in class. Due to the nature of this report, detailed description and explanation are available in the content pages. The final results are given and illustrated with detail explanation and numerical example. Furthermore, the photographs taken of the project construction is given to provide and idea about the complete construction.