

PEELER

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ABSTRACT

The fruit hawkers usually have to spend much time to peel certain quantity of pineapple manually. There is also the risk of one's fingers being cut by the knife.

This project is aimed at developing and fabricating a pneumatic system to operate the peeler to remove the outer skin of a pineapple. The designing price involves the use of pneumatic system for a pushing mechanism to push the pineapple against a blade. The following stage of project involved material selection and fabrication of the prototype. Finally test should be conducted to verify the advantages and limitation of the prototype.

This report consists of pneumatic cylinder to create the 'Pineapple Peeler'. There are also many calculations involved and some derivations for the calculations. Those calculations are very important in starting the project which includes the pneumatic cylinder for the Pineapple Peeler. Other than that, it also consists of materials used in my project. This report explains the manufacturing process, the way it works and the construction of the base and body structure of the Pineapple Peeler.

There are some diagrams and picture have been attached to give more idea and to understand easily of the project and the concept of how it is manufactured and works.