

PNEUMATIC MODEL

Project Report Submitted by.

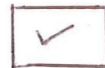
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in part satisfaction of the award of Diploma
of Technician Engineer in Mechanical Engineering of
the Higher Technical Institute, Cyprus.

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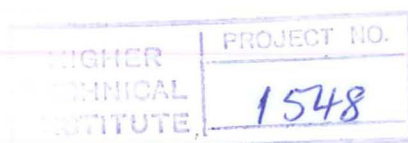
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Type of Project : Individual



: Group

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ABSTRACT

The objectives of the project are the following

To report on the principles of pneumatics and on the main pneumatic components.

To present design calculations and drawings for a pneumatic model. The model should demonstrate clearly the operation of the main pneumatic components.

To select suitable auxiliaries for the model.

To estimate the cost of the model.

An important part of the project is the theoretical part. This is because in order for someone to understand this project must have in mind the principle of operation of the main pneumatic components.

So starting from even explaining what is air all principles of pneumatics were made clear. In all chapters irrelevant points to the subject are avoided. I am referring only to things which would help someone get involved with compressed air.

As far as the second objective is concerned I present the design calculations and the schematic diagrams of the model.

This design was in purpose made as simple as possible in order to make any construction easy and keep the construction cost low. This design could probably be used for laboratory experiments.

In the last part of this project the selection of suitable auxiliaries is presented. Also the estimation of the cost of the model is given.

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