

FABRICATION OF SACBOX

A Project report submitted

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

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CERTIFICATE

This is to certify that project work is entitled "**FABRICATION OF SACBOX**" is a bonafide record done by **B.B.M.RAJA SEKHAR (15811A0318), B.NANI BABU (15811A0319), K.DURGA PAWAN KUMAR (15811A0356), CHE.KATMA AKHIL (15811A0325), K.CHANDRA MOULI (15811A0354)** students of final year **B.Tech** in the Department of **Mechanical Engineering**, Avanti Institute of Engineering and Technology, Visakhapatnam. This work was done for the fulfillment of the requirements of the award of **Bachelor of Technology** during the year 2017-2018.

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ABSTRACT

SACBOX is defined as a **Semi-Automated Coragulated Box Making/Manufacturing Machine** which is a advance level of Coragulated Box Machine which in general divided into Sub-parts based on the type of work. But , this **SACBOX** is to brought all the different working parts as a single unit in order to decrease the time and to increase the efficiency of rate of production with less efficient cost.

Product DescriptionSize: customized

Technical Description:

- High speed corrugation machine with variable speed drives
- Drum type heaters
- Self loading reel stand
- On line pasting machine
- Heating unit for drying of pasted sheets
- On line creasing and slitting unit
- Heavy duty cutoff machine

Requirements :

At present , more than 80% of products are packaged or wrapped in different types of cardboard boxes, ranging from paperboard to corrugated cardboard.

Corrugated Cardboard :

Corrugated cardboard is structurally formed using two basic elements : the ' Liner or Cover ' and the ' Medium or Fluted Sheet ' which is the part which is corrugated.The box is designed in order to create a package that meets the commercial requirements of the client, as well as the requirements of the products to be contained in the box, which determine box's style, type of cardboard, comers, closure, joint types, and other factors.