

ABSTRACT

FABRICATION OF 3 AXIS PNEUMATIC TRAILER LIFT

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The foremost aim of our project is to design and fabricate a pneumatic operated fork lift for the purpose of material handling at a faster rate. At present forklifts, pallet trucks are used for the purpose of material handling. For forklift it requires a well-experienced technical person for handling operation. For pallet trucks, it does not have large cross-section, as the material to be handles is in small unit. For both the equipment the initial cost is high. This project work titled “**FABRICATION OF 3 AXIS PNEUMATIC TRAILER LIFT**” has been conceived having studied the difficulty in lifting and loading the any type of materials. Our survey in the regard in several small scale industries, revealed the facts that mostly some difficult methods were adopted in lifting the material. Now the project has mainly concentrated on this difficulty, and hence a suitable device has been designed. Such that the material can be lifted from the floor land without application of any impact force. The fabrication part of it has been considered with almost case for its simplicity and economy, such that this can be accommodated as one of the essential tools on all industries.

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