

Gravity Powered Material Handling Trolley using Conveyor System

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Abstract: *Material handling equipment is the media of transportation of material from one location to another in a commercial space. Weight operated material handling equipment has huge load carrying capacity, large covering area simplified design, easy maintenance and high reliability of operation. This paper is mainly based on for material handling, it not required external power i.e., electricity. On account of this, a machine and its physical description is covered here. Applications of material handling trolley are increasing day by day in manufacturing industries due to its flexibility and accuracy in working. Industries like packaging and food processing, manufacturing production workshops uses material handling trolley for the rapid production and less power utilization. The main objective was to build a vehicle of capable of transporting weight of a materials up to 10 kg of travelling to some distance with varying speed.*

Keywords: Structural Strength, Material Handling Systems, Rack & Pinion motion, Spring operated, Self-powered and Easy Maintenance, Less Cost

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