PLANNING EQUIPMENTS OF PLASTIC PRODUCTION PROCESS CAPACITY WITH 6000 SHEET PER HOUR

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Abstract
The needs for a plastic bag demand is very high from the production machines are necessary at this time. To increase the production capacity will require planning design of production machinery, especially plastic bags on the central machines. In this case there are many shortcomings of the excess expenditure caused by the errors of production machine planning calculations.

Therefore, planned and calculated components of the central machines used in the production process of plastic bags which include engine components such as: belt, pulley, gears, screw conveyor, and high-potential axis to reduce the cost of production engineering. So that cost efficiencies will be achieved.

The results of the planning and calculation of the central machinery manufacturer of plastic bags in PT. PN / PK Rosella Baru Surabaya, acquired the means of production, such as: Extruder Machine, with a capacity of 0.6 tons / hour, 0.25 HP power, and 25 rpm rotation; Circular Weaving Loom Machines, with a capacity of 0.015 tons / hour (250 sheets / hour), 25 HP power and 162 rpm rotation; Blown Film Extruder Machine, with a capacity of 0.36 tons / hour, 0.25 HP power, and 25 rpm rotation (6000 sheets / hour).

Keywords: bag, plastic, Rosella.