DESAIN MACHINE PLASTIC ROLL PRESSES SEMI
AUTOMATIC WITH PNEUMATIC DRIVE SYSTEM

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Abstract
The high food prices make tempeh market to be one option as a side dish for households. Rising demand in Indonesian tempeh makes the need for increased production of soybean in Indonesia anyway. In fact, many small industrial soybean production is unable to meet the needs of the market, especially in the production of tempeh owned Mr. Sali Grati Pasuruan village. One of the obstacles such factor is the level of productivity is not good. Therefore needed a machine that could solve the problem, so as to increase the production capacity. How to solve this problem is to design a plastic wake roll pressing machine with semi-automatic drive system pneumatik. This machine uses pneumatic press machine and run automatically. From the calculation, it takes 0.0628 watts motor power with 10 rpm rotation to move the swivel dose, suppression force required is 23.34 N and engine capacity of 514 products / hour.