

ABSTRACT

Macaroni printing machine is a machine designed to press macaroni dough by pressing it using a screw then passing through a mold that has been designed so that later the dough comes out to form a tube or like a macaroni shape in general, then cut to the required length using a spatula, because the macaroni machine still using manual processes, both the process of pressing the dough and cutting it, the author makes the title of this final project with the title macaroni printing machine with a semi-automatic cutting system.

The design process is carried out using the VDI 2222 method approach. The stages include planning, conceptualizing, designing and completing. The production process carried out is cutting, lathe, drill, welding, assembly and finishing

The cutting mechanism uses a 12V DC electric motor with a speed of 110rpm and the speed can be controlled using a ponesiometer, the calculation results for machine elements use an electric motor power of 0.01151 Kw, with one blade beside the die, with a cutting speed of 16 rpm using potential number 2 speed. From the results of the function test it can be said to function properly.

Keywords: *printing machine, macaroni, VDI 222, DC motor, cutting*