Abstract

Automatic boring machine to produce bird cage is an engine yang applied to do boring automatically to work substance from wood.

This planning aim to make aperture with aperture diameter 2.5 mm with distance which constant application at one of part bird cage. This engine lapped over to 3 (three) of DC.motor gear 24 V, 2 (two) of DC.motor 12 V, equipped with a dimmer dc motor speed controller and timer are used to adjust the distance holes and some other machine elements, including: spring and, power screw. With system automatically is expected able to lessen weaknesss of the engine now, so that productivity increases, especially in producing mass (many). it's would hardly determines useful and economic benefit produced.

Based on calculation in planning of automatic boring machine multipurpose to produce this bird cage it’s required boring energy power of 10.46 Watts and force the work piece 57.26 Watts, and capacities produce of in teoritik that is 16 hole/min, while capacities produce with assaying that is 12 hole/min.

Key Word : Drill, Spring, power, and capacities.