PLANNING GEAR BOOX in ENGINE METAL SPINNING to REALIZE FRYING PAN PRODUCT

name : Ferly Ardiansyah
NRP : 2106 030 009
Direction : D3 Technical Engineering FTI - ITS
Supervisor : ir. Nur Husodo, msc

Abstract

One of alternative frying pan maker alluminium with method spinning. This engine fits to applied at little industrial, remember simple the tool and can to make frying pan. To make easy in operation so wanted turn speed variation. therefore planned gear box in engine spinning to realize frying pan product so that got roll speed variation.

To get desirable result so neccesary is done calculation in component gear box in engine spinning. Calculation is done from motor power, gear, axis, bearing, pin, pulley and v-belt.

From planning gear box result is got roll speed to twist mandrel among others: 190 rpm, 285 rpm, 380 rpm, and 570 rpm by using mator 1.5 hp.

"keyword: engine spinning horizontal, engine element