AUTOMATIC CONTROL CHIPS MOLDER WITH PLC

ABSTRACT

Name of Group :
   1. Bramantyo Purbo Sandi         NRP (2206 039 001)
   2. Amillia Kusuma Putri          NRP (2206 039 030)

Counsellor :
   Ir. Josaphat Pramudijanto, M.Eng.      NIP (131 918 366)

Industrial automation is an important issue, either big scale industry or home industry. Indonesia as third countries has more than two thousands home industries, one of them is chips factories. Some of chips factories process the chips traditionally.

This final project implement an automatic process in chips production using PLC as process controller. Pneumatic Silinder is used as pressing device. The raw chips will flow through the molder device that moved by DC motor 24 Volts. To detect the raw chips that fall to conveyor used optic proximity sensor. The conveyor that used to carry the chips is moved by DC motor 24 Volts.

The result of the whole tested system, 4-6 bars of pressure is needed to push the raw chips through out the molder. Speed synchronization between conveyor motor and molder is needed to get better result.

Key words: Chip, Pneumatic, PLC, Conveyor
- Halaman Kosong -