

Automatic Packaging Machine Controller

Abstract—

In this paper we investigate the major function units of an automatic packaging machine including bag forming, sealing temperature control and status displaying. Microcontroller is used as the central manager to coordinate the individual control function modules. A motor is used to fulfill the film drawing in both fixed length mode. The sensor will check the status whether the packing film available in the packing area if the packing film is not there will give alarm intimation. The packing film is driven to the packing area by the conveyor motor and the heating filament is fixed in the packing area will give packing seal and cut film in to a pack. The pack size can be varied according to the user requirement. The heating filament is controlled be the stepper motor which is controlled by microcontroller.

