ABSTRACT

DESIGN AND IMPLEMENTATION of PLC BASED AUTOMATIC BOTTLE FILLING

Abstract-Latest Mechanical project on design and implement an Automatic Bottle filling machine to fill bottle with liquid. The aim of this project is to describe the whole method of filling system and this method of bottle filling embroiled placing bottle onto a conveyor belt and filling only one bottle at a time. The whole system is controlled by PLC (Programmable Logic Controller) using ladder logic process. It includes user defined volume selection at the wished-for level. In a conveyor system, gear motor is used. In this system less number of sensors is used so it is less expensive. In the overall system, PLC is the heart and sensor is the eye. Both play important roles in the whole system. The filling is done by using time operation. The whole system is flexible, time saving and user friendly as well. By this method, production of goods is increased and economic growth is also increased.