MONITORING SYSTEM OF PACKAGING OF BOTTLE WATER PROCESS USING CONTROL’S PLC

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ABSTRACT

In industries such as packaging of bottled water companies, existing machines and the provision of water to fill the bottle cap to control automatically with PLC (Programmable Logic Controller). The process requires a monitoring system that functions as the coordination and supervision. This monitoring system is often referred to as SCADA (Supervisory Control And Data Acquisition). Modern SCADA systems is to use the computer as a display of a plant.

By making miniature packaging of bottled water process using control’s PLC and connecting program in the PLC with Wonderware, packaging of bottled water process can be worked and stopped by pressing the start/stop button on the panel box and the start/stop on Wonderware. For monitoring packaging of bottled water is done through animation in Wonderware connected with output in the PLC program to enable objects in hardware, instead of monitoring through its view objects directly.

Control’s PLC miniature packaging of bottled water process can be connected with Wonderware. But the success rate of packaging of bottle water process is 98% with completely averages of time is 1 minute 54.9 seconds.

Key Words: Conveyor, Solenoid Valve, Wonderware
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