

Customer: Knapp Logistics Automation

Location: Kennesaw, GA

Time & Duration: 10 Weeks

Technical Description: Design and programming on the main PLC for KMED

Reference: Knapp 14-169 / 1.1.2, 1.1.8



Project Description

The Project is about a control system for a Medication dispensing unit.

The hardware and the application software requirements for a new PLC control system to be installed for the Medication dispensing unit called KMeD Main PLC. The concept is to be a bridge between the KMeD Controller and the sub-systems like Tier PLC, Robot, RFID etc. and it also directly controls the conveyors and accessories.

Process Overview

- Communication with KMeD PLC on Profinet.
- Homing Tier
- Carousel positioning at dispense position.
- Carousel positioning at loading/unloading position for robot.
- Filling the vials to the required count provided by KMeD PLC.

Hardware for Control Panel of Tier PLC

- S7-1200(CPU-1214C DC/DC/DC).
- RS232 module (CM1241 RS232) for RFID reader.
- Digital Input Module/Output Module (SB 1223 DI 2 X 24VDC, DQ 2 x 24VDC) on Board mounting.
- Analog Output Module (SM1232 AQ2 X 14BIT).

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