

Automated Product Handling System

During this project Holloway Control Systems provided the Control Panel, PLC Software, HMI Software and Commissioning services to our customer. Our Control Panel was a large two-part free standing type housing 19 inverters, a PLC with over 200 I/O, safety relays, power supplies and distribution and DOL motor starters.

The control system is such that we used a unique CAN-bus communications system to control each of the motor inverters. This enabled us to reduce the I/O count inside the panel and offers far greater control of the motors for which the inverters run. All information regarding the control of the motors is fed back to an HMI screen which is remotely located on plant. The CAN-bus communications system is integrated into the PLC and thus the control system can keep track of and control the production line with great accuracy and efficiency. The beauty of such a communications system enables the user to easily programme setting into the individual inverter drives without going through the drives built-in menu.



The Control Panel itself is used to control a large product handling system made up of 26 motors, various conveyors, and a large carousel unit. The system status and control is all operated via the HMI screen located on plant. Our software design is such that it allows for an easy and straight forward user interface where every aspect of the line is monitored and controlled from a simple screen layout.

