

Engineering Services Innovative Packaging Solutions and Factory Automation Specialists

Sample Applications:

A. Automated data collection and reporting for water distribution system

Synopsis:

VBA scripts embedded in Excel to automatically extract water distribution information from an existing SCADA system (e.g. well pump flows, HLP flows, residual chlorine averages, etc.) using OPC links, and automatically embed data into pre-configured monthly and yearly summary workbooks. Scripting automatically created new workbooks at the start of each month and year to contain archived data.

B. Recipe manager for confectionary process

Synopsis:

VBA program to allow remote, secured users to configure confectionary process operating parameters (i.e. flows, temperatures, etc.) based on selected production work order item number. Program populated corresponding HMI tagname items with the required data.

C. Candy salvage/reclaim process quality data entry

Synopsis:

VBA program to allow operator entry of process related data pertaining to candy salvage/reclaim process (e.g. pH, % solids, etc.). Application had ability to collate process data by processed salvage batch, and data synchronization with office database systems for quality tracking.

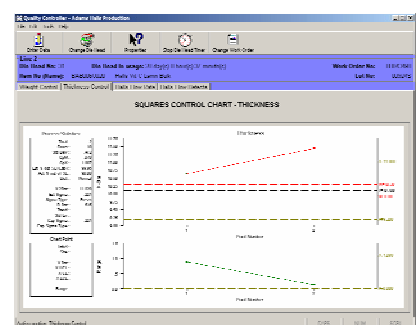
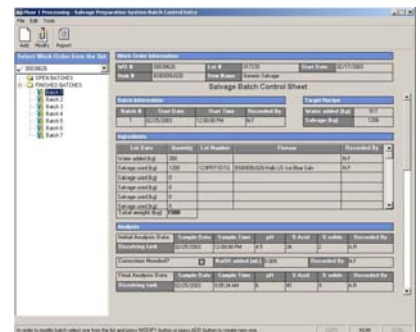
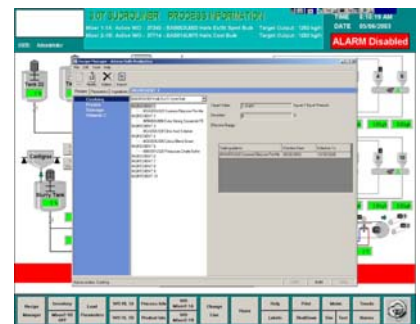
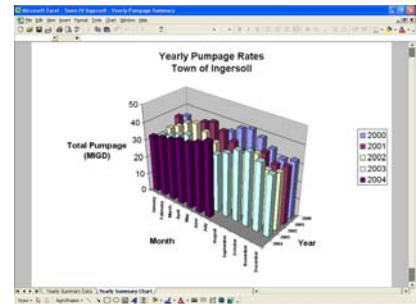
D. Candy quality data collection and monitoring

Synopsis:

VBA program to allow automatic and/or manual entry of candy quality information at a candy forming process. Application was configured to automatically read candy size and weight data from extracted sample lots (using sizing and weigh scale instruments), allow operator entry of candy attributes (e.g. color, defects, etc.) and related process flow information, all correlated to sample number and current production work order item. Application forwarded collected data to plant quality databases (Wonderware QIAnalyst) for archiving, and display (control and range charting), utilizing embedded ActiveX objects.

Programming Languages:

Visual Basic, Visual C++, XML, HTML



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