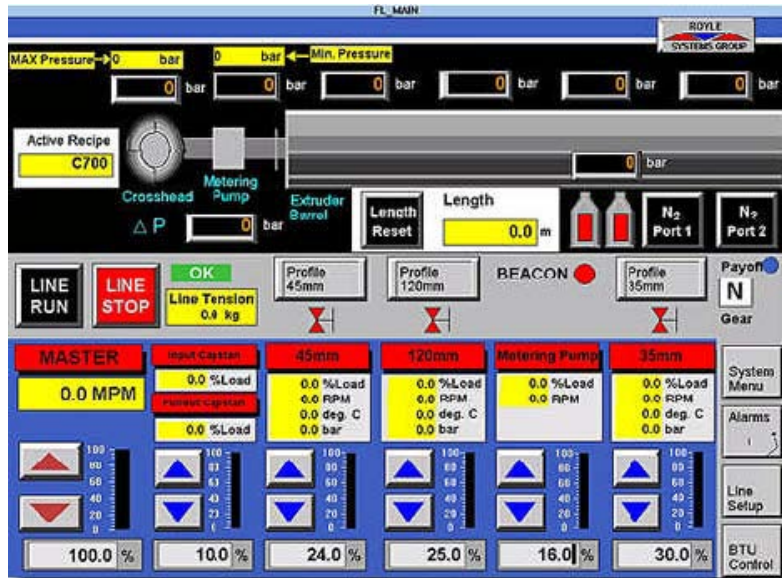**Royle Systems Group**

AutoLine
Control System

Royle's autoLine control system is the complete solution for line control and process analysis.

Close control-monitoring of all operating and process parameters is assured through the use of the proven *autoLine* control system that operates in a Windows environment, incorporates precision drives, temperature controls, PLC, graphical user interface, and integration of all quality & measuring devices. The system also features scaleable system architecture for faster and simpler upgrades. Industrial TCP/IP remote connectivity enables over the internet secure connection to Royle for software updates, remote troubleshooting, or routine maintenance. Real-time & historical trending for SPC/SQC is available.

Royle *AutoLine* is a sophisticated, easy-to-use, and powerful graphical automated solution to your manufacturing needs. The fully integrated package is designed for both standalone and networked plant-wide applications and dramatically improves productivity, maximizes product quality and minimizes operating costs & time. Royle autoLine is a proven design with an installed base worldwide.
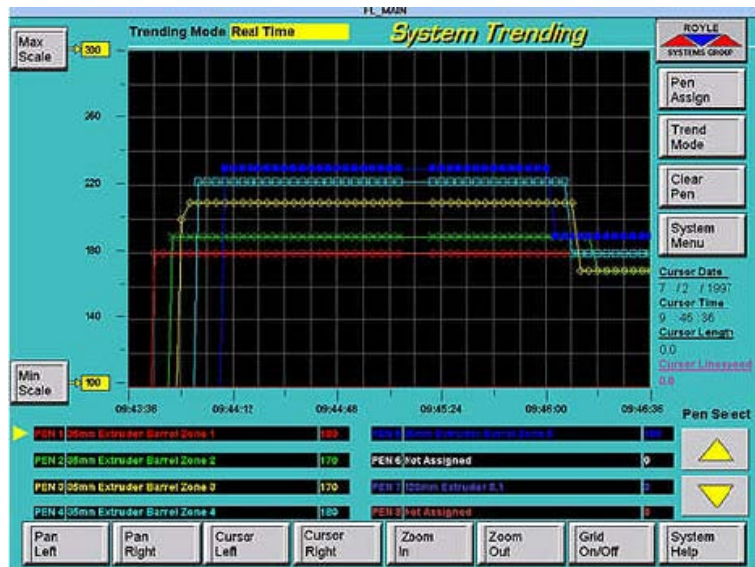
Intuitive human-machine interface (HMI)

AutoLine's human-machine-interface (HMI) integrates the whole process into an intuitive "window" into the process. The HMI provides the operator with a powerful tool that is easy to learn and use and features dynamic color graphics based on industry standard colors.

Data Acquisition Analysis

AutoLine's real-time and historical trending is a monitoring and data collection tool that continually improves the process, maximizes product quality, and minimizes product waste. A database manager constantly captures the operating parameters enabling manipulation of data.

[2]

Alarm Manager

AutoLine's Alarm Manager monitors the process constantly, alerts operators to potential problems and avoids damage to the equipment. This feature also saves time in troubleshooting, reduces maintenance costs, and enables customized predictive maintenance to maximize equipment performance and uptime.

Recipe Generator

The autoLine recipe feature allows the operator to instantly upload/download stored product parameters, machine setpoints, and other variables to and from the process which significantly reduces set-up times and ensure process repeatability.