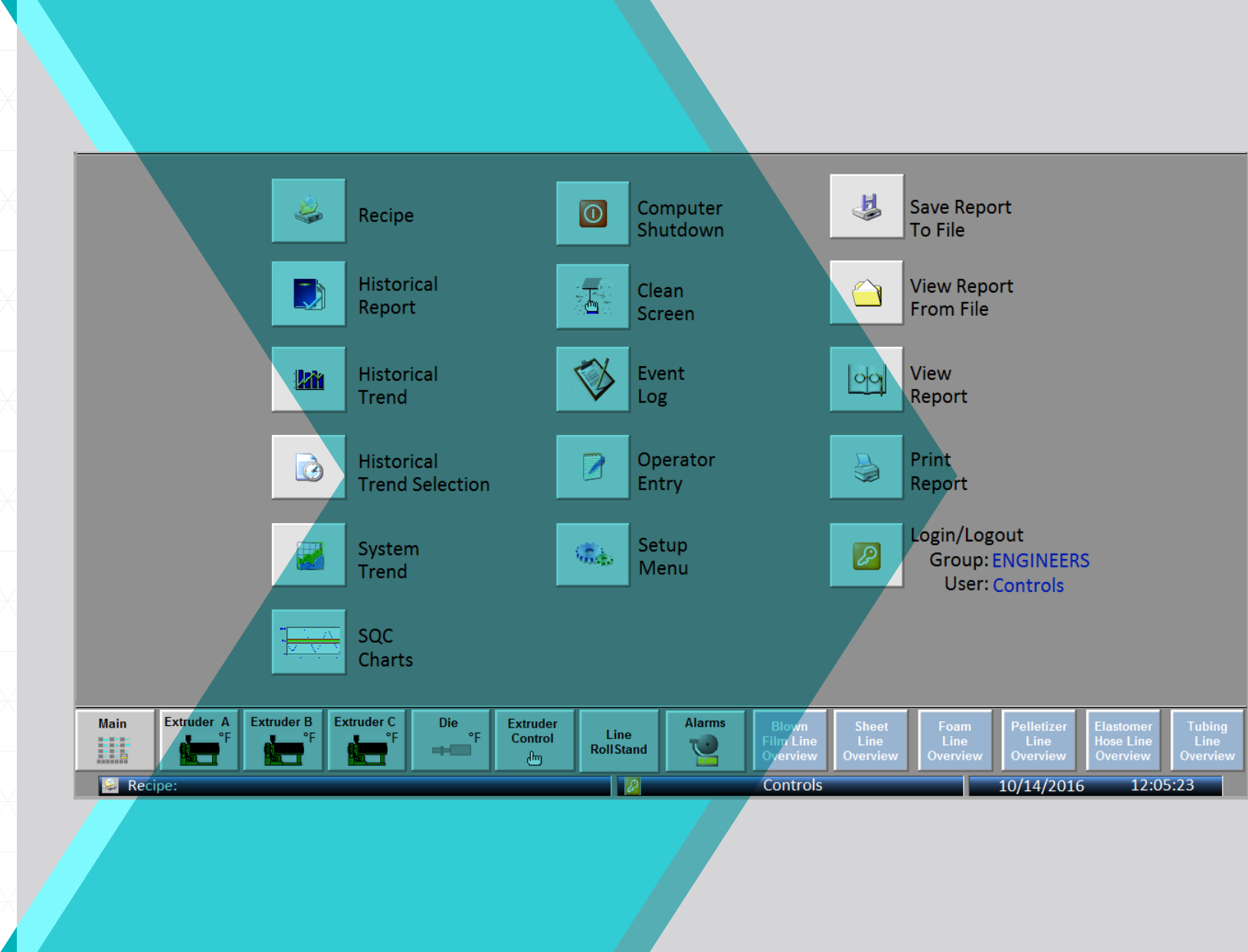


Flawless implementation. Expert support.

Davis-Standard is recognized globally as the leader in high-performance converting and extrusion systems. But our capabilities go far beyond our equipment. They extend to our professional training experts, laboratory personnel, design engineers and hands-on field engineers who work with you every step of the way. Your success is our success.



EPIC III® - SUPERVISORY CONTROL AND DATA ACQUISITION



OPERATIONAL FEATURES

MAIN MENU

- Multiple levels of security access to protect critical set-up functions
- Operator entry to identify operator name, shift number, and production run data
- Access to traceability, maintenance, and troubleshooting features

LINE OVERVIEW

- Co-engineered with the customer and Davis-Standard to meet exact process requirements
- Custom screens for your specific process
- Line status at a glance
- Alarm status
- Key process data summary

TEMPERATURE CONTROL

- Pop-up set point entry
- Set temperatures, speeds, pressures
- Ability to change multiple zones from one set point entry

LINE CONTROL

- Line Control
- Drive start/stop
- Drive speed
- Drive % load
- Drive coordination

RECIPE

- Process repeatability
- Automatic line set-up
- Expanded note capability
- Edit, save, and print

ALARM

- Status
- Logging
- Alarm summary page
- Pop-up appears on all active screens

SUPERVISORY FEATURES

TRENDING

- Multiple pen plots
- Simple configuration
- Scanning based on multiple pen
- Dynamic zoom
- Historical and real time

SQC

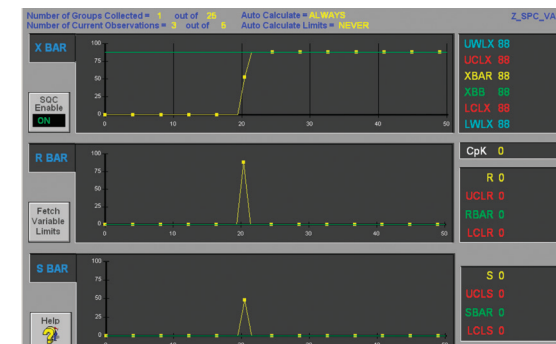
- X
- Range
- Sigma
- Simple configuration
- Statistical trend alarms
- CPK calculating

EVENT LOGGING

- Log all system events:
- Set point changes
- Alarms
- Recipe name
- User

MAINTENANCE MENU

- Easily configurable
- Help screens
- Trend analysis for easier tuning of temperature or pressure



SYSTEM ARCHITECTURE

EPIC III® OPERATOR STATION – INDUSTRIAL PC WITH THE FOLLOWING FEATURES AND EQUIPMENT:

- Low power 24 VDC
- Windows® operating system
- SSD - Solid State Disk
- CFAST used as backup
- UPS for automatic system shut down after five minute power loss to prevent data corruption
- Color touch-screen monitor
- Printer is optional
- Network connectivity
- Serial ports
- USB ports

EPIC III® Process Controller – Programmable Logic Controller (PLC) standard hardware:

- I/O rack
- Power supply
- CPU module
- Discrete input/output modules (as required)
- Analog input/output modules (as required)
- Type J thermocouple input module(s)
- Process control software

OPTIONS

- Serial communications with selected equipment
- Network connection
- Language



Davis-Standard's EPIC III® provides high level supervisory control for complex systems. With Windows®-based plant management and extension process control capabilities, the EPIC III can be customized for any extrusion or converting application. Supervisory features include event logging, customized reports, SQC, historical trending, data collection, maintenance/troubleshooting, pressure set-up and more.

Features

- Adaptable and expandable touch-screen displays
- Partial and complete line overview, detailed extruder data, recipe creation, etc.
- iFIX SCADA software for Windows®
- ControlLogix PLC platform
- Connectivity solutions for remote data access via laptop and Web browsing
- ReAct - Remote access for service and support
- Object Linking and Embedding for Process Control (OPC)
- Multi-level security system to protect set-up functions and accessibility
- Network capability for remote monitoring of multiple systems
- CFAST card for secure system data back-ups

