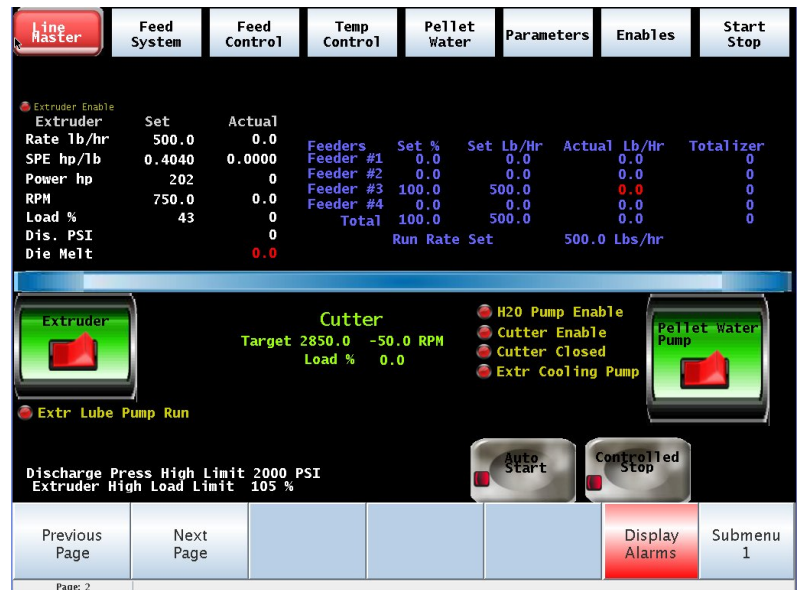


The **FACTS** Total Compounding Control System (TCCS) integrates the entire compounding process into a central control system.

### New or Existing Lines



## Complete Line Integration

**Vacuum Loaders**

Automatic control of the resin loading system.

**Gravimetric Feed Systems**

Complete recipe based setup of ingredient ratios.

**Extruder - Side Extruder**

Control of feed rates. Ingredient totalizers.

**Underwater Pelletizer**

Control of all temperatures and RPM. Thrust bearing monitored.

**End of Line**

Control of cutter RPM, Water Pump, Water Temperature, Fill Level. Cutter In-Position interlocks.

Integrated Classifier control and Gaylord Weight Scale.

# COMPOUNDING LINES

# TOTAL COMPOUNDING CONTROL SYSTEM

## TCCS System Features

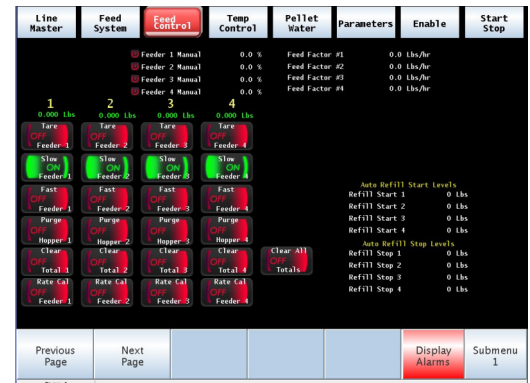
- Fully Automatic Sequential Line Start and Stop
- Specific Energy Calculation
- Cold Start Protection
- Trend Charts
- Alarm System:
  - Control Tolerances
  - Absolute Limits
  - Active and Historical Alarms
- Configurable User Security Access System
- Product Code -- Recipe System
- Built-In Diagnostic Displays
- PID Loop Tuning "On-The-Fly"
- Touch Screen Operator Interface
- Auto-Calibration of Analog Input Scale & Offset Factors
- Ratio Speed Coordination of Machine RPM's

## Hardware

- 17" Touch Screen Operator Interface Display
- Additional Touch Screens are Available Options
- Industrial Packaging
- Specializing in Allen Bradley or B&R Automation I/O. Other vendors upon request.

## Options

- Total Information Manager:
  - Data Collection
  - Event Logging
  - Auto Back-up of TCCS Each Night
  - Remote Access
- Bar Code Readers
- Bar Code Tag Printers
- SQL Database Interface
- Production Reports
- WIP Tracking



**FACTS** systems are in use around the globe in 14 countries (and counting) in a wide variety of measurement and control applications. With over 25 years of business experience, **FACTS** knows the industry, the process and the equipment.

**FACTS** is a unique company with diverse capabilities and the flexibility to respond to your needs. Whether you need a simple drive replacement, a complete extrusion line or something in-between, **FACTS** can help.

**Measure your Product....Control the Process... Report the Results**