



## COEXPERT-AB CO-EXTRUSION CONTROL SYSTEM

The CoExpert-AB extrusion control system is a gravimetric tool that can be integrated with other AEC/HydReclaim gravimetric equipment to produce greater control over the customer's product specification. The customer can specify recipe entry in several formats consisting of weight per length, weight per area with overall layflat, or simply weight per hour and length per minute. They can mix and match metric units with standard units on all entries.

CoExpert-AB co-extrusion Allen Bradley industrial graphical control system (VersaView1000) with touch-screen. For use with up to six (6) blending systems and/or GH Extrusion Control units without a haul-off control. Controls extruder speeds, layer percentages, and blender recipes. Complete with all necessary hardware, software, and communications requirements. Communications wires and cables not included. Purchase of start-up assistance and training is required with any CoExpert-AB system.



### STANDARD FEATURES

- Allen-Bradley Versa View 1000 touch-screen with high resolution graphics
- Allen-Bradley Micrologix 1100 integration controller
- Integrated industrial ethernet hub
- User-friendly screens configurable to match each specific process
- Control functions include:
  - Extruder speeds
  - Layer percentages
  - Blender recipe control
  - Remote operation of blenders and weigh hoppers
  - Monitoring of material usage
  - English or Metric units
  - Alarm log
  - Configurable password protection
  - Integral diagnostic system

### OPTIONAL FEATURES

- Line Speed Control (COEX-AB-LS), including a high accuracy encoder and a conversion panel. CoExpert-AB with line speed control is required when using a CoExpert-AB package to control the haul-off. For use with up to 8 GH full control weigh systems or GH-M rate monitor units and a haul-off control. Encoder and conversion panel included for interfacing to the CoExpert-AB control system.

Controls overall yield (weight/length), weight per area, and simple weight per hour and length per minute. Communication wires and cables not included.

## **SPECIFICATIONS**

The standard CoExpert-AB package is for use with up to 8 GH Full Control weigh systems and a haul-off and/or GH-M Series rate monitor units without a haul-off control. The CoExpert-AB system can control up to eight extruders with or without line speed control.

An extrusion line running 500 pounds/hour of 1.0 mil film could consistently run 0.98 mil film with better quality, lower scrap and produce an extra 75,000 pounds of product per year.

## **ADVANTAGES**

- Reduced material usage
- Improved product quality
- Increased productivity
- Simplified start-up and material change-over
- Reduced start-up and shut-down times
- Monitoring of material usage
- "On-the-fly" product changes
- Precisely control co-ex layer percentages
- Set blender recipes from a remote control panel
- Display true layer percentages
- Remotely monitor the process using Coexpert-AB weigh system integration
- Monitor alarm histories