

Brief Description

CoExpert is a Microsoft Windows®-based computer package used in conjunction with Colortronic blending and feeding equipment to control the extrusion process. It can be used on single or multi-layer applications, including wire & cable, profile, blown or cast film, or sheet.

CoExpert co-extrusion system utilizes an IBM-compatible Pentium based industrial graphical control system (Windows based) with touch screen. It includes an integrated PC/Touch Screen controller, significantly easing installation and operator usage. The standard CoExpert package is for use with up to six (6) CGC Series blending systems and/or CFC-M Series rate monitor units without a haul-off control. It controls extruder speeds, layer percentages, and blender recipes; and comes complete with all necessary hardware and software. Communications wires and cables are not included.



Advantages of CoExpert®

- 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 recipes from a remote control panel
- Display average product gauge by inputting product width
- Display true layer percentages
- Allow input of recycled trim width
- Remotely monitor the process
- Monitor alarm histories

Specifications

The CoExpert system can control up to six extruders with or without line speed control. Standard features include:

- Intel Pentium based industrial computer
 - ◆ SVGA color monitor
 - ◆ Touch screen operator interface
 - ◆ 3.5" floppy disc drive
 - ◆ Windows operating system
 - ◆ Modem and telephony software included for factory support and upgrades
- User-friendly screens configurable to match each specific process
- In-line surge protector
- Control functions include:
 - ◆ Extruder speeds
 - ◆ Layer percentages
 - ◆ Blender recipe storage
 - ◆ Remote operation
 - ◆ Monitoring of material usage
 - ◆ English or Metric units
 - ◆ Real-time trending chart of process
 - ◆ Alarm log
 - ◆ Configurable password protection
 - ◆ Integral diagnostic system

Options

- Line Speed Control (COEX-LS), including a high accuracy encoder and a conversion panel. CoExpert **with** line speed control is required when using a CoExpert package to control the haul-off. For use with up to six (6) CGC blending systems or CFC-M rate monitor units and a haul-off control. Included are an encoder and a conversion panel for interfacing to the CoExpert control system. Controls overall yield (weight/length), weight per area, and thickness. *Communications wires and cables not included.*
- Windows 95/98/NT communications package compatible with a DDE server

Savings Example

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.

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