

**TRENDING**

Trending Software features Canary Data Historian for maximum performance and retention of data. Canary Data Historians are reliable, with a long life and the ability to store and retrieve large volumes of process data quickly. The historian is easy to install, set up, and use; installation takes only a few minutes. Allen Bradley or Beckhoff platforms are available.

The number of tags will change depending on the size of the system. Additional tags can be purchased if new equipment is being added to an existing system. OPC software is available to link the canary system to a particular PLC.



**TRENDING**

ITEM	DESCRIPTION	ORDER CODE
<b>Trending</b>	Trend Link Historian	<b>TLH</b>
<b>Number of Tags</b>	100 Tags	<b>100</b>
	300 Tags	<b>300</b>
	500 Tags	<b>500</b>
	1000 Tags	<b>1000</b>
	1500 Tags	<b>1500</b>
	2500 Tags	<b>2500</b>
<b>Platform</b>	Allen Bradley	<b>AB</b>
	Beckhoff	<b>BH</b>

Insert Order Code Selections to Create Part Number: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

**ADDITIONAL TAGS**

ITEM	DESCRIPTION	ORDER CODE
<b>Additional Tags</b>	100 Tags	<b>TLH-TAGUPG-100</b>
	300 Tags	<b>TLH-TAGUPG-300</b>
	500 Tags	<b>TLH-TAGUPG-500</b>
	1000 Tags	<b>TLH-TAGUPG-1000</b>
	1500 Tags	<b>TLH-TAGUPG-1500</b>
	2500 Tags	<b>TLH-TAGUPG-2500</b>

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**OPC COMMUNICATIONS**

ITEM	DESCRIPTION	ORDER CODE
<b>OPC Communications</b>	OPC software to fit Canary to a particular PLC	<b>KEP-OPC</b>

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March 2018/Controls-6

**GRAPHICAL INTERFACE**

Graphical Operator interface panels can be purchased separately. Other Operator Interface solutions can be purchased integrated with the SC Controller.

The Tablet Graphical Interface allows the user to control multiple Simplicity Blenders wirelessly from around the facility. It features a Tablet handheld interface. Protective Case and Charging Station come standard.

**GRAPHICAL INTERFACE**

ITEM	DESCRIPTION	ORDER CODE
<b>Screen Size</b>	Simplicity Series Graphical Interface	<b>GI</b>
	7" HMI Touchscreen	<b>A*</b>
	10" HMI Touchscreen	<b>B*</b>
	12" HMI Touchscreen	<b>C*</b>
	15" Touchscreen Remote Operator Interface (Beckhoff)	<b>D</b>
	Touchscreen Tablet with Beckhoff or Allen Bradley Controls	<b>E</b>
<b>Mounting Option</b>	5.7" Touchscreen Remote Operator Interface (Beckhoff)	<b>F</b>
	In SC Series PLC Enclosure	<b>PLC</b>
	In a Concept-Style Enclosure	<b>PNL</b>
	In Simplicity Blender Panel	<b>BP</b>
	Graphical Interface and Power Supply Shipped Loose	<b>N</b>
	Operator Panel with Keyboard, Mouse, and Printer	<b>CNSL</b>

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\*Used with Allen Bradley Systems only



**ADVANCED BLENDING SOLUTIONS** manufactures a full line of vacuum convey, feeding, blending, and storage equipment for the plastics industry. Advanced Blending Solutions also offers a full line of PLC/PC-based controls for gravimetric extrusion control, vacuum sequence control, extruder/die temperature control, and blender control.



### CENTRAL CONTROL PANEL

ABS Simplicity Series Control Solutions feature PC/PLC-based controls geared toward blending and bulk solids transfer applications. The SC Series control panels come with a variety of controller options allowing the system to be easily scaled to the application. Controllers offered include both Allen Bradley and Beckhoff Automation. The Allen Bradley option offers either the Compact Logix or the Control Logix PLCs. Beckhoff offers either panel-mount or rack-mount PCs.

Some models are offered with integrated Graphical Interface. Control panels are scaled to the application, and a simple interface connects to OEM/line supervisory control system.

#### FEATURES

- Both Allen Bradley PLC-based control and Beckhoff Automation PC-based control offered
- Some models offered with integrated Graphical Interface
- Scaled to the application
- Simple Interface to OEM/line supervisory control system

### CENTRAL CONTROL PANEL

SIMPLICITY SERIES CONTROLLER PLATFORM	MAX BLENDERS*	ORDER CODE
Beckhoff Automation CP2215 Panel Mount Industrial PC with 15" touchscreen interface and Windows7 Operating System	14	SC-CP2215
Beckhoff Automation CP2215 Panel Mount Industrial PC with 15" touchscreen interface and Windows CE Operating System	1	SC-CP2215CE
Beckhoff Automation CP2715 Panel Mount Industrial PC with 15" touchscreen interface and Windows CE Operating System mounted in a Simplicity Series Blender Control Panel	1	SC-CP2715CE-INT
Beckhoff Automation CP6207 Panel Mount Industrial PC with 5.7" touchscreen interface and Windows CE Operating System	0**	SC-CP6207CE
Allen Bradley Compact Logix PLC, 500KB memory	0**	SC-L18
Allen Bradley Compact Logix PLC, 1MB memory	1	SC-L30
Allen Bradley Compact Logix PLC, 1MB memory integrated into Simplicity Series Blender control panel. Includes 7" HMI	1	SC-L30INT
Allen Bradley Compact Logix PLC, 2MB memory	2	SC-L33
Allen Bradley Compact Logix PLC, 3MB memory	3	SC-L36
Allen Bradley Control Logix PLC, 2MB memory	2	SC-L71
Allen Bradley Control Logix PLC, 4MB memory	5	SC-L72
Allen Bradley Control Logix PLC, 8MB memory	9	SC-L73
Din Rail Mount PC, Windows CE Operating System, Mounted in Simplicity Series Blender Control Panel, for use with a Tablet Graphical Interface (Sold Separately)	1	SC-CX5010CE

Insert Order Code Selections to Create Part Number: \_\_\_\_\_

\*General guide for controller sizing. More complex systems may require larger processor.

\*\*Used for simple sequence control or velocity control systems

### SOFTWARE MODULES

Software modules are sold separately allowing the user to scale the system to the need. Software modules can be purchased for Extrusion Throughput Control either integrated with the Continuous Blender or as a stand-alone extrusion system; enhancing Smart Distribution Software for use with SMART Material Distribution System; and custom software modules to meet specific needs.

#### SOFTWARE MODULE

ITEM	FOR CONTROLLING:	ORDER CODE
Software Module	1 or more Continuous Loss-in-Weight Blenders	SCSFT-CBC
	Extrusion Throughput Control	SCSFT-EXT
	Material Pick-Up Velocity Control	SCSFT-PVC
	SMART Material Distribution System	SCSFT-SMART
	Sequence Control	SCSFT-SEQ
	Silo Control	SCSFT-SILO
	Reporting Software	SCSFT-REPORT
Customized Software	SCSFT-CST	

Insert Order Code Selections to Create Part Number: \_\_\_\_\_

### VACUUM SEQUENCE CONTROL PANEL

Vacuum Sequence Control Panels provide control for :

- Existing Vacuum Receivers to be integrated with ABS controls or with other ABS equipment (Blenders, Storage Bins, etc.)
- New ABS Vacuum Receivers added to an existing system without any other ABS equipment.

#### VACUUM SEQUENCE CONTROL PANEL

ITEM	DESCRIPTION	ORDER CODE
Velocity Control Sequence Control Panel	Control Panel for up to 4 Vacuum Receivers	VCSEQ-4
	Control Panel for up to 8 Vacuum Receivers	VCSEQ-8
	Control Panel for up to 16 Vacuum Receivers	VCSEQ-16
	Control Panel for up to 24 Vacuum Receivers	VCSEQ-24
	Control Panel for up to 32 Vacuum Receivers	VCSEQ-32
	<i>For over 32 Receivers consult factory</i>	VCSEQ-32+
Control Voltage	24V DC Devices	24
	120V AC Devices	120
Mounting	Back Panel Mount	BPNL
	Enclosure Mount	ENC

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