ADVANCED BLENDING SOLUTIONS LLC

Tomorrow's challenges solved today.

CONTROLS

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.

ITEM	DESCRIPTION	ORDER CODE
Style	Simplicity Series Graphical Interface	**GI**
Screen Size	7" HMI Touchscreen	**A****
	7" HMI Touchscreen Thin Client (Beckoff)	**A-BH**
	10" HMI Touchscreen	**B***
	12" HMI Touchscreen	**C***
	15" HMI Touchscreen	**D***
	15" Touchscreen Thin Client (Beckoff)	**D-BH**
	Wireless Tablet with Beckoff or Allen Bradley Controls	**E**
Mounting Option	In SC Series PLC Enclosure	**PLC**
	In dedicated NEMA 12 Enclosure	**PNL**
	Graphical Interface and Power Supply Shipped Loose	**N**

Insert Order Code Selections to Create Part Number: _____

**Used with Allen Bradley Systems Only*

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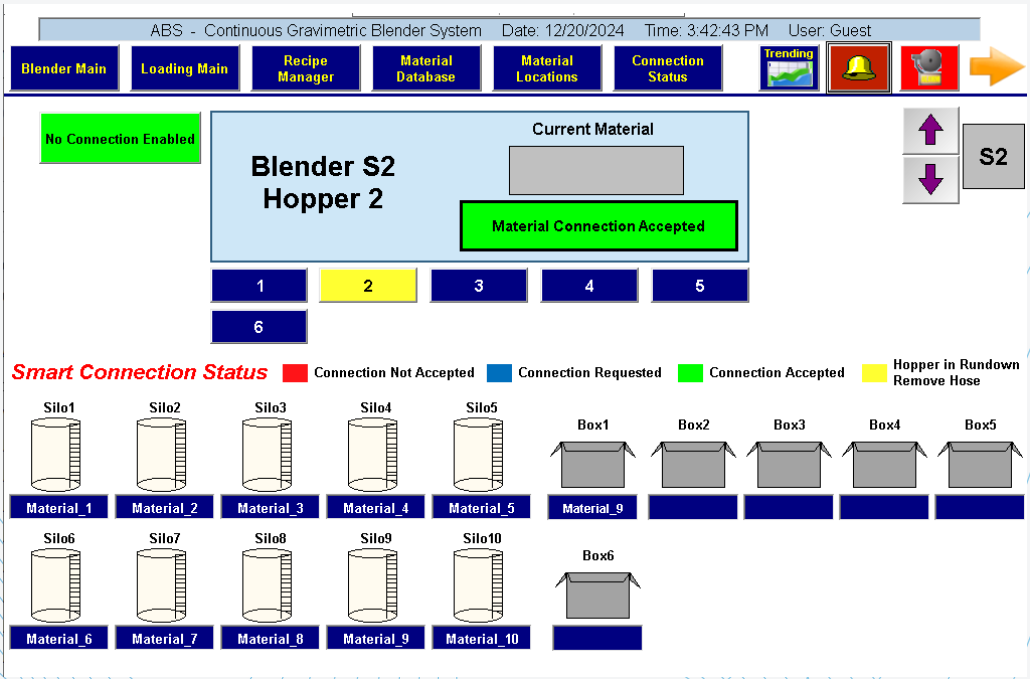
CENTRAL CONTROL PANEL features PC/PLC-based controls geared toward blending and bulk solids transfer applications. The SC Series control panels come with a variety of controller options allowing the system to be easily scaled to the application. Controllers offered include both Allen Bradley and Beckhoff 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.



SIMPLICITY SERIES CONTROLLER PLATFORM	MAX BLENDERS*	ORDER CODE
Beckhoff Automation C6030 Panel Mount Industrial PC with 15” touch-screen interface and Windows Operating System	14	SC-C6030
Beckhoff Automation C6015 Panel Mount Industrial PC with 15” touch-screen interface and Windows Operating System	1	SC-C6015
Beckhoff Automation C6015 Panel Mount Industrial PC with 7“ touch-screen interface and Windows Operating System	0**	SC-C6015-7
Allen Bradley Compact Logix PLC, 1MB memory	0**	SC-L310
Allen Bradley Compact Logix PLC, 2MB memory	1	SC-L320
Allen Bradley Compact Logix PLC, 3MB memory	2	SC-L330
Allen Bradley Compact Logix PLC, 4MB memory	3	SC-L340
Allen Bradley Compact Logix PLC, 5MB memory	4	SC-L350
Allen Bradley Control Logix PLC, 3MB memory	2	SC-L81
Allen Bradley Control Logix PLC, 5MB memory	4	SC-L82
Allen Bradley Control Logix PLC, 10MB memory	9	SC-L83
Industrial PC for Trending and Reporting Software. Windows Operating System. Unit is Headless and includes USB/HDMI ports for external accessories. Remote Desktop/Teamviewer included.	1	SC-EDGE

Insert Order Code Selections to Create Part Number: _____

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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.

- **Continuous Loss-in-Weight Blender Control** is designed to control ABS continuous loss-in-weight blenders.
- **Pick-Up Velocity Control** allows material to be conveyed at a determined velocity, reducing material degradation and energy loss.
- **Extrusion Throughput Control** provides layer ratio and thickness control for multilayer extrusion lines.
- **SMART Distribution Software** is designed to be used with SMART Material Distribution systems. SMART Distribution ensures that the right material is sent to the right locations.
- **Sequence Control** provides vacuum loading sequence control for up to 20 pumps.
- **Silo Level** calculates and displays silo material levels based on inputs from silo level measuring devices.
- **Reporting Software** provides material usage reporting by shift, day, and work order for up to a 9-layer extrusion line. This includes blend percentages, material consumption total, and traceability. This software module is a two-part module and is installed on a separate system.
- **Custom Software**: ABS can create custom software for a wide range of applications in the extrusion industry. Applications include inventory management, custom data reporting, temperature control, communication lines to auxiliary equipment, power monitoring, etc.

ITEM	DESCRIPTION	ORDER CODE
Software Module	1 or more Continuous Loss-in-Weight Blenders	**SCSFT-CBC**
	Extrusion Throughput Control	**SCSFT-EXT**
	Material Pick-Up Velocity	**SCSFT-PVC**
	SMART Material Distribution	**SCSFT-SMART**
	Sequence Control	**SCSFT-SEQ**
	Silo Control	**SCSFT-SILO**
	Reporting Software	**SCSFT-REPORT**
	Customized Software	**SCSFT-CST**
	PC for Canary	**SC-EDGE PC**

Insert Order Code Selections to Create Part Number: _____

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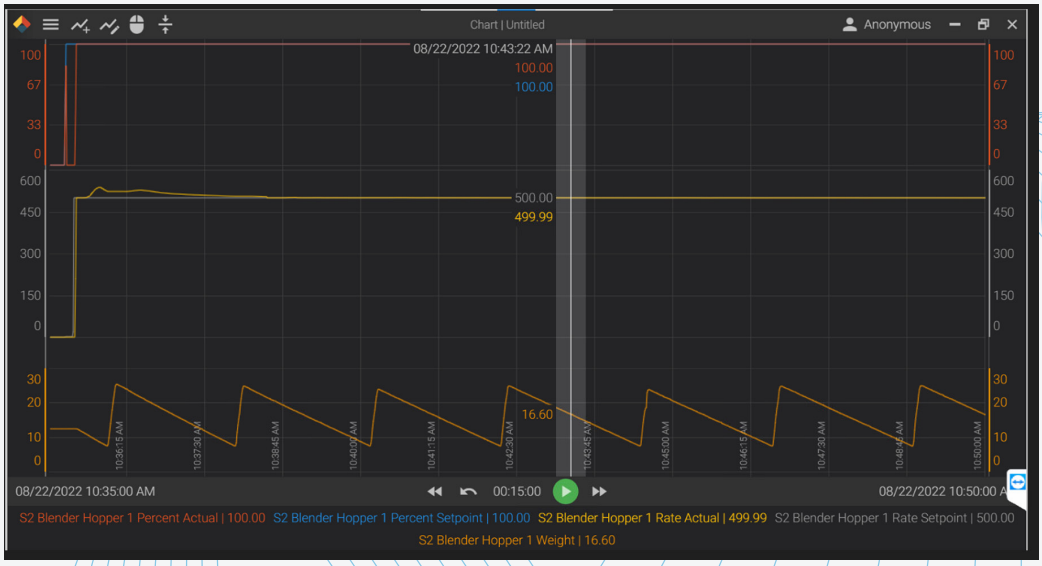
TRENDING SOFTWARE features Canary Data Historian for maximum performance and retention of data. Canary Data Historians are reliable, with a long life and the ability to store and retrieve large volumes of process data quickly. The historian is easy to install, set up, and use; installation takes only 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.



Canary LIFETIME SUPPORT

ITEM	DESCRIPTION	ORDER CODE
Trending	Trend Historian and Axiom	**TLH**
Number of Tags	100 Tag Historian with 1 Axiom Seat	**100**
	500 Tag Historian with 1 Axiom Seat	**500**
	1000 Tag Historian with 2 Axiom Seats	**1000**
	2000 Tag Historian with 10 Axiom Seats	**2000**
	5000 Tag Historian with Unlimited Axiom Seats	**5000**
Platform	Allen Bradley	**AB**
	Beckhoff	**BH**
OPC Communications	OPC software to fit Canary to a particular PLC	**KEP-OPC**
Additional Tags	100 Tags	**TLH-TAGUPG-100**
	300 Tags	**TLH-TAGUPG-300**
	500 Tags	**TLH-TAGUPG-500**
	1000Tags	**TLH-TAGUPG-1000**
	1500 Tags	**TLH-TAGUPG-1500**
	2500 Tags	**TLH-TAGUPG-2500**

Insert Order Code Selections to Create Part Number: _____