

BC-300TM Blending Control

Automatic Blending Control System

DESCRIPTION

The BC-300 is the newest blending and process control offering enhanced user features previously unavailable for older plants. Developed primarily for existing BC-250 users, the BC-300 offers plant Operators improved capabilities with modern automation using existing MCC hardware and plant wiring.

APPLICATION

The BC-300 fits into the same space as a BC-250 requiring only minor wiring to unveil new improved features. Some of these include controlling screen deck positions, dust chutes, and the ability to monitor the silo filling and AC tank selection. Enhanced and highly accurate scale belt calibrations and unlimited feeder calibrations are tied directly to the mix formula. Improved recordation allows the Operator to monitor baghouse temperature, pressure, reject chute position, and AC tank and silo functions. Recordation is also available as a data file that can be imported into Excel.

Expanded reporting functions indicate the amount of material to silos and the amount that was rejected in the totals for each mix design. Fuel usage (with optional fuel meter) can also be recorded. The mix formula allows the Operator to choose the feeder, the material in the feeder, the gate setting, as well as, screen deck and dust positions.

All input and output signals are tied to the PLC with no proprietary control cards. The PC runs the Windows 7 operating system and includes a laserjet printer and two high definition LCD monitors.

The BC-300 includes a router/switch that allows connection to the Internet for remote troubleshooting from Gencor's help desk. Within minutes of your call, a Gencor representative can be online with your system.



STANDARD FEATURES

- (2) Two LCD high-resolution monitors
- Windows 7 operating system
- Redundant hard drive
- Laserjet printer
- VPN firewall router for connection to networks
- Interlock Bypass monitor, E-Stop, Silos Circuit
- Up to twenty-four (24) feed devices
- Unlimited multi-point feeder calibrations for extreme accuracy
- Up to four (4) weigh devices
- Up to two (2) AC pumps

ONE COMPANY ■ ONE SOURCE ■ ONE SOLUTION

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BC-300™ Blending Control

- Dynamic software configuration allows easy on-site system configuration and adaptability to a specific hot mix plant operation
- Built-in operator's manual with Helpkey for easy access
- High resolution menu-type display with color graphics
- Isolated input/output devices maximize the system's protection

- Raw signal display for easy trouble-shooting

- Report printing of event logs and production

- AC temperature display

- Baghouse status

- US or metric units

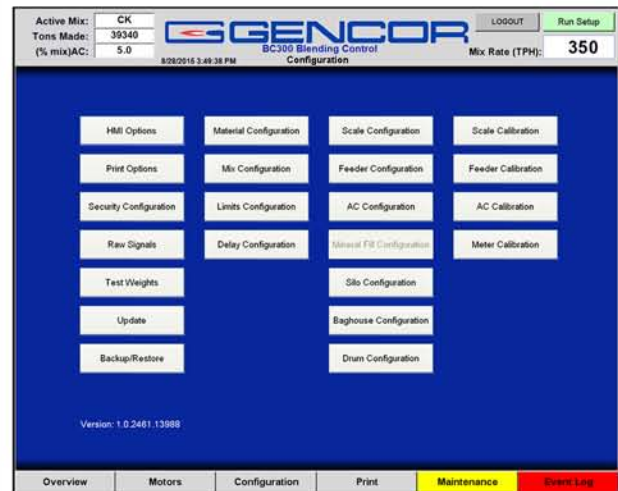
- Password Protection

OPTIONS

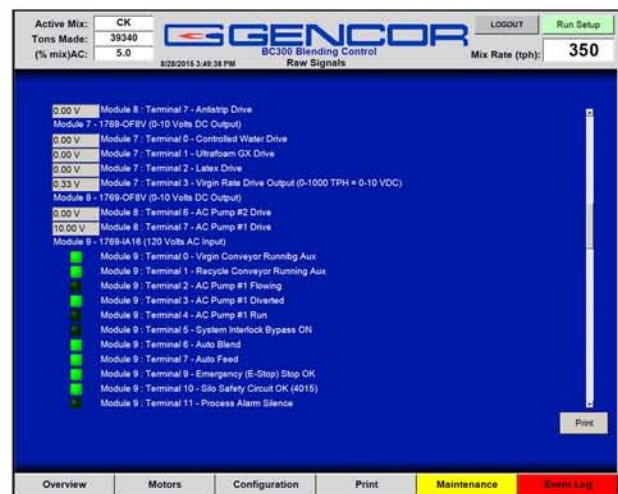
- Fuel usage monitoring with fuel meter
- Silo and AC inventory display with level detectors
- Gen 3D and Vector controls can be incorporated with an optional third monitor.



Blending options screen



Configuration menu screen



Raw Signals screen

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