

COMMANDbatch CP Material Handling

Part Number: ND-CP-MHA

DESCRIPTION:

The COMMANDbatch CP Material Handling module provides a fast, automated, and cost-effective way to transfer materials from storage bunkers into overhead bins. The system's standard controls permit automatic monitoring and replenishment for any number of aggregate materials as well as priority-first replenishment if materials from one underground storage bunker are required more often than others.

OPERATION:

The system automatically:

- determines the need for a material
- rotates the turn head or shuttle conveyor to the correct position
- turns on the feed belts as needed
- opens the correct feed gate on the underground storage silo
- monitors the process until filling is complete
- The system is capable (if equipped with the proper sensor) of monitoring running belts to eliminate the risk of feeding another belt that's not moving due to slippage.

As the system sequences from one material to the next, the Automatic Bin Fill system:

- closes the gate in use on the underground storage
- determines the turn head positioning delay
- opens the feed gate for the next material while ensuring the proper belt delay to prevent cross contamination of material bins

Any or all materials can be manually overridden at any time. An alarm indicator alerts the user of plant malfunctions. The emergency stop button halts all related plant motion in the event of a belt break or other hazard.

SYSTEM REQUIREMENTS:

- COMMANDbatch CP software and hardware
- Additional input and output devices for material handling controls and high/low/indicator signals

IMPLEMENTATION:

- Generally, removal of the old material handling system enclosure and re-routing of wires to the new COMMANDbatch CP enclosure is required. A remote enclosure with material handling system control signals can be located in place of the old enclosure.

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