

# Auto Seek-N-Feed

## Material Handling System



**Run your concrete production non-stop with Sysdyne's Auto Seek-N-Feed Controller.**

Set it once – it does the rest.

Sysdyne's state-of-the-art material handling system maximizes your plant's productivity and minimizes labor expenses.

With Auto Seek-N-Feed, you no longer need to wait for materials in the middle of a load. This smart system gives you total control over your plant's feeding operation:

- Operate it in fully automatic, semi-auto or manual modes
- Pair any ground bin with any overhead bin
- Assign priority to each overhead bin
- Use SKIP in emergencies to bypass the current feeding cycle and feed the most needy bins
- Temporarily interchange ground bins without altering the existing set-up
- Multi-level feeding for seasonal adjustment
- And more...

# Auto Seek-N-Feed

## A truly intelligent system.

The Sysdyne Auto Seek-N-Feed Controller has all the flexibilities you desire.

Operate it in a totally automatic mode where the system constantly seeks needy bins to feed, keeping your plant continuously charged with materials. The operator can pair any ground bin with any overhead bin and assign priority to each overhead bin.

The operator can also run the controller in a completely manual mode.

A semi-auto mode enables the operator to disregard existing settings and fill an overhead bin with the ground bin he chooses, with one-touch control.

Have an emergency need and can't wait for the existing feeding cycle to finish? The operator can push the SKIP button and rotate the turnhead to the correct bin!

Multi-level feeding allows the operator to decide the levels at which to start and stop feeding the bin. He can start feeding when bin low light is on and the bin high light is off, or he can stop feeding when bin low light is off and the bin high light is on.

When ground bins are located on different conveyors, the Auto Seek-N-Feed controller can save energy by turning on only necessary conveyors, rather than all of them.

## Standard Features

- Stand-alone automatic material handling system with full manual control backup
- Indicators for bin high, bin low\*\*, turnhead position and feed gate open/close
- A clear display of current feeding cycle in automatic mode
- Standard control of 6 ground bins and 6 overhead bins, 2 conveyors and one turn head
- Flexibility of assigning any ground bin to feed any designated overhead bins
- Flexibility of belt-off delay setup (0-99 seconds)
- Multi-level feeding choices for seasonal adjustment
- Semi-automatic function, a complement to full automatic and full manual control
  - Allows one-time re-pairing of the ground/overhead bin whenever needed
  - Feed a designated overhead bin with one touch control
- Skip function allows termination of the current feeding cycle to fulfill emergency needs

## Options

- Expansion to up to 16 ground bins and 16 overhead bins
- Control of Stacker conveyor or shuttle belts
- Control of third conveyor
- Emergency high signals
- Integration with Sysdyne batching software
- All the above options are readily available. Contact us if you require more.

## Plant Requirements

- One N.O. Limit Switch contact for each BIN-HIGH condition
- One N.O. Limit Switch contact for each BIN-LOW condition\*\*
- One N.O. Limit Switch contact for each TURNHEAD position.

\*\* Bin Low signal is not required.



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