

Dry ColorSelect® Dispensing System

SOLOMON COLORS



Dry Batching System

Create thousands of standard and custom colors...from three dry pigments.

The Dry Batching System measures Solomon Colors dry pigment in specified amounts to meet the requirements of plant operations for color. The user selects the color to be used and the batch size. The system computes the amount of each of the three component pigments – yellow, red and black – needed to produce the specified color in the correct dosage. Then, under user control from a Windows CE based 12-inch color touch screen, the system automatically feeds each component color in sequence into a bucket on a calibrated scale, providing accuracy of dosage to the hundredths of a pound.

The Dry Batching System dispenses three component pigments from frame mounted angled-bottom totes. Product flow is maintained in the totes using an air actuated vibrator system. It includes a rack-mounted system for product refill via super sacks shipped from Solomon Colors. The component pigments are produced at Solomon Colors to industry leading specifications to ensure satisfaction with color matching, batch to batch.



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Features

- Job Stack allows jobs to be preloaded to reduce entry error and speed time to fulfillment during the production cycle.
- Colors are selected from dropdown list to speed the setup of jobs and to prevent input errors.
- Custom colors can be added in separate dropdown lists. Up to twenty dropdown lists are available, each dropdown can be named. Colors are sorted alphabetically in each list.
- Scale trolley and limit switch ensure a bucket is properly positioned before the system activates the pigment vibrators.
- Alarm system will notify for up to eight system faults including "Missing Bucket".
- Three vibrating trays, one under each pigment tote, are controlled by a variable speed drive to ensure accuracy. The scale is capable of reading 0.01 pounds and the system tolerance is typically set to +/- 0.05 pounds.
- Reporting generates data for each batch for tracking and inventory analysis.
- Network connectivity allows new formulas and jobs to be added to the Dry Batching System from a remote computer.
- Optional printer will print a label for each batch in a job. Information on the label is selectable and can include job parameters and the customer's name.
- Optional audible alarm will notify the operator of a system fault.
- A slider valve allows the pigment totes to be isolated and easily removed from the system if other colors are desired.
- An automated bucket extraction system aids the operator in removal of each batch.

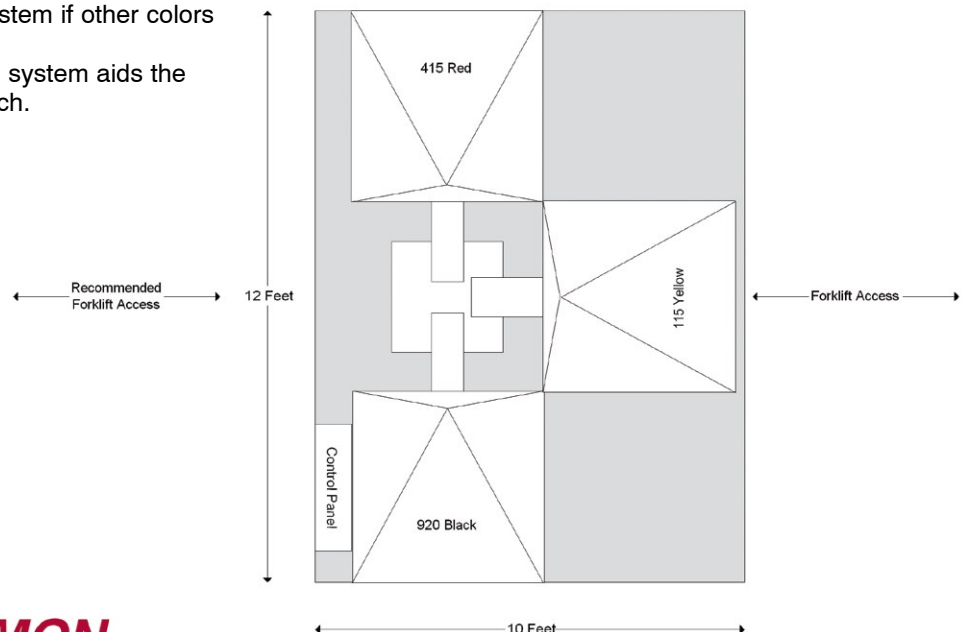
Components

- Three 50 cubic foot pigment totes with steel frames and isolation valves
- One Super Sack Refill Hanger
- Steel Grating Walkway - for refill access
- Scale Trolley with 100 pound scale and indicator
- 12-Inch Color Windows CE Touch Screen
- Three Vibratory Feeders
- Control Panel with variable speed feeder drives
- Dust mitigation elements
- Automated Bucket Trolley

Specifications

- Target Throughput 12-15 lbs./min
- Batch Size
 - Min 2 lbs.
 - Max 35 lbs.
- Scale Accuracy +/- 0.01 lbs.
- System Accuracy +/- 0.05 lbs.
- Electrical 110-volts, 30 Amps
- Compressed Air 4.5 CFM @ 60 PSI

Dry Batching System Footprint



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