

FOOD

Biscuits



SOLUTION

Batch Integrity and Quality Control

A key requirement for this application was individual batch integrity. A bar-code scanning system provides positive identification of each minor ingredient. All ingredients are weighed upon demand to specific accuracies. Batch ingredient usage reports are produced through the supervisory control system.

Blending

Building height restrictions prevented the entire blending operation from being arrayed in a single vertical configuration. The secondary blenders were designed to allow for vacuum

OVERVIEW

transfer of the finished mix to overcome this limitation. The blending operation is closely monitored through the supervisory control system.

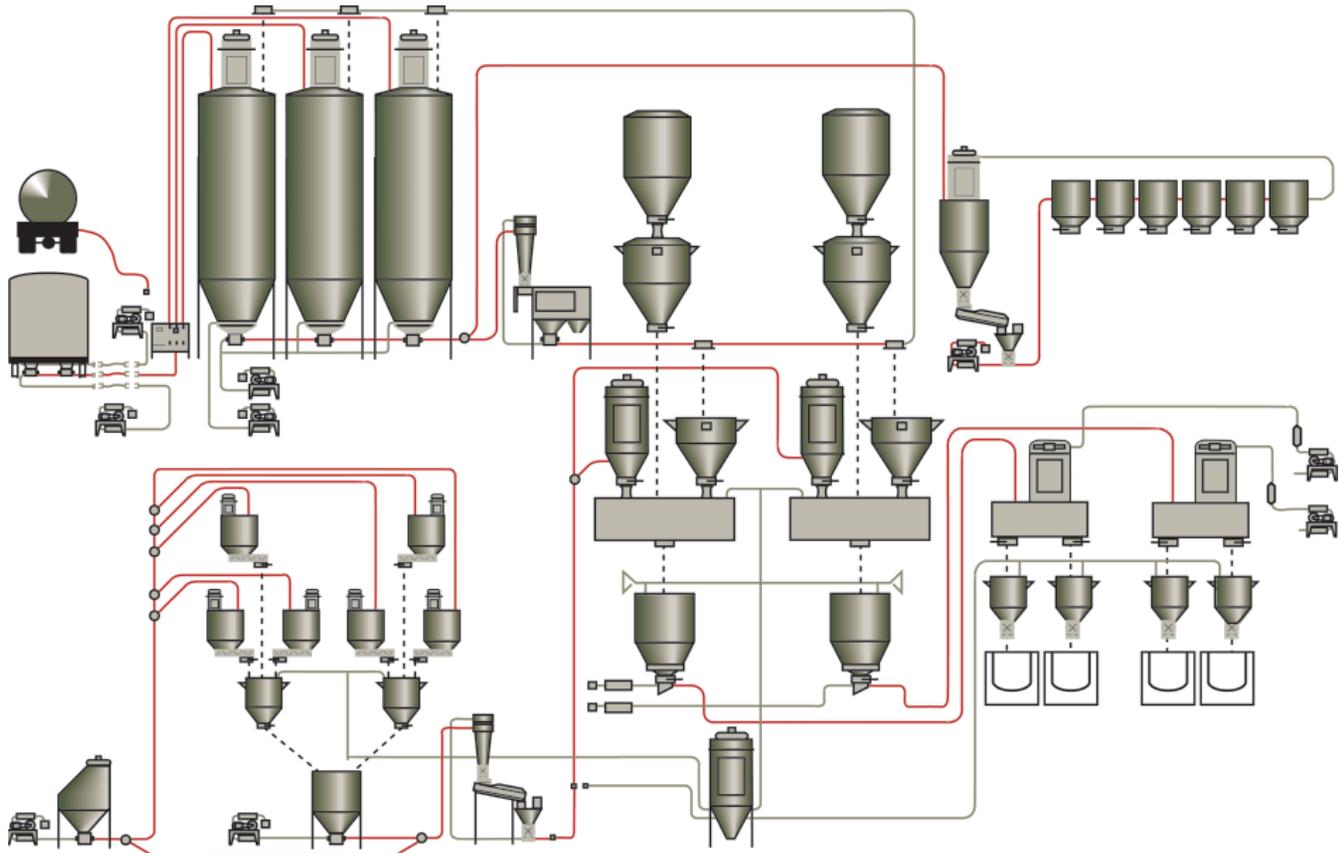
Dusting Flour Distribution

Shick installed a system that introduces dusting flour to several locations in the process area where dough is prepared for baking. Flour is reclaimed from the bulk silo, sifted and pneumatically conveyed to bins that distribute dusting flour.

FOOD

Biscuits

PROCESS DIAGRAM



Final Product: Biscuits

Project Scope:

- Railcar Unloading
- Truck Unloading
- Bulk Storage (3) 5,000 Ft³ Silos
- Bulk Flour Pneumatic Transfer, Sifting and Scaling
- Minor Ingredient (6 Materials) Bag Dump, Storage, Metering, Scaling, Sifting and Pneumatic Transfer System
- Fat Flake Bag Dump, Storage and Scaling
- Central and Local Dust Collection System
- Programmable Logic Control Interface with Supervisory System

Materials Handled:

- Flour
- Fat Flakes
- Salt
- Sugar
- Baking Powder
- Monosodium Phosphate
- Sodium Aluminum Phosphate
- Sodium Bicarbonate

Purchasing Rationale:

New Plant



WORLD HEADQUARTERS

Shick Tube-Veyor Corporation
4346 Clary Blvd.
Kansas City, MO 64130 USA
Tel: (816) 861-7224
Fax: (816) 921-1901

ASIA PACIFIC

Shick Tube-Veyor Asia Pacific Pte Ltd
Blk 5000 Ang Mo Kio Ave 5 #05-07
Techplace II
Singapore 569870
Tel: (65) 4824600
Fax: (65) 4818255

www.shicktube.com