

FOOD

Ramen Noodles



S O L U T I O N O V E R V I E W

SUPERVISORY COMPUTER CONTROL

The customer's previous system consisted of manual bag breaking of major ingredients, antiquated record keeping, minimal accuracy and inconsistency of weighments. Shick's control system included a PC-based supervisory software system which stores receipt of incoming raw materials and then accurately deletes each production batch to provide a detailed continuous inventory. Color graphic screens are provided for each operator for continuous monitoring of production, also providing operating status of each individual equipment component. The run time of motors and valves are tracked and predetermined hour levels are recorded for preventative maintenance scheduling. Production schedules are downloaded daily for each line with recipe staging

to minimize online changes and trending for analysis by management. Production and equipment status are continuously provided as local industrial CRT terminals for operator viewing and interface.

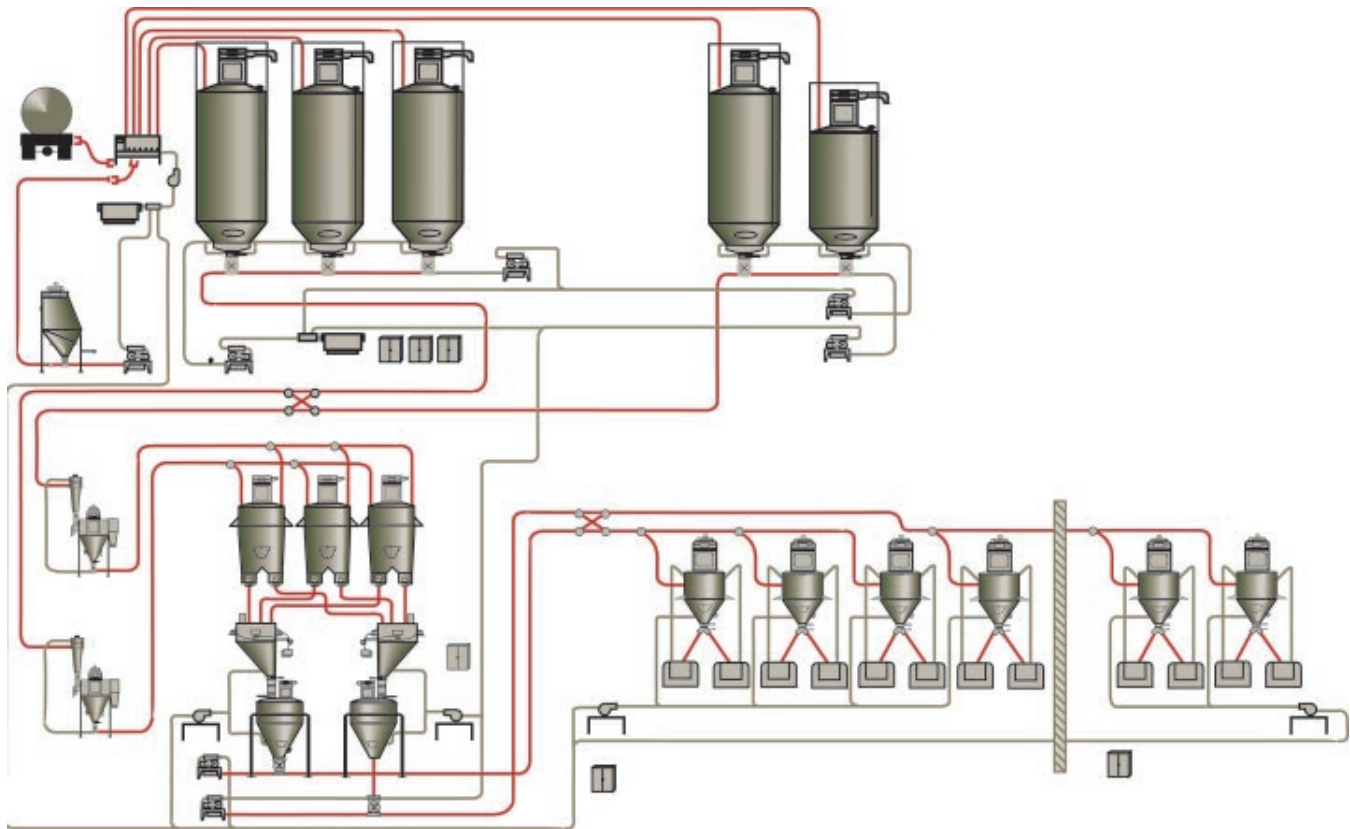
INTERNATIONAL SUPPORT

System spare parts are locally stocked for immediate delivery. Shick's PLC control system is equipped with a modem for 24-hour, online troubleshooting and program changes by Shick electrical engineers from our corporate offices. This minimizes potential customer downtime and reduces service and travel expenses. Service technicians are available for on-site inspection of equipment and training of operators and maintenance personnel when necessary.

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PROCESS DIAGRAM



Final Product: Ramen Noodles

Project Scope:

- Truck Unloading
- Bulk Storage (4) 5,510 Ft³,
(1) 3,300 Ft³ Silos
- Back-up Bag Dump Silo Filling
- In-Plant Pneumatic Transfer, Sifting
and Storage
- Central Scaling
- Emergency System Back-up
(Crossover) Capabilities
- PLC Control with Local CRT
Terminals and PC with
Supervisory Control
- Continuous Silo Level
Indication Systems

Materials Handled:

- Hard Wheat Flour
- Soft Wheat Flour
- Cornstarch

Purchasing Rationale:

Increase accuracy and consistency of ingredient batching while increasing processing flexibility. Upgrade inventory control capabilities and automate manual operations.



WORLD HEADQUARTERS

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