

INNOVATION
IN
AUTOMATION



“
Our ingredients
for success
are clear:
Quality.
Innovation.
Passion. Trust.
Execution.
And, most
importantly,
customer service.
”

Matt Ungashick

EXECUTIVE ACCOUNT MANAGER
AND OWNER





Shick is your complete process automation solution source. From dry ingredients that are highly abrasive, friable, explosive, high in fat or fragile, to liquid ingredients with process critical temperatures or high viscosity, we can handle it with one of our reliable conveying systems.

INGREDIENTS



TO

INCREDIBLE

A Foundation in Baking, Built for More.

Founded in 1956 by William F. Ungashick, Shick provides ingredient automation solutions to companies in the food and beverage industries. We design, manufacture, install and service large or small ingredient automation systems for customers worldwide.

Since its beginnings as a small, family-owned business that primarily served the baking industry, Shick has grown into a multi-market company. Our years of experience designing complex and complete systems, our collaborative project approach and our focus on customer service make us the preferred automated solutions source.

We design our system solutions to ensure accuracy and consistency in our customers' production processes. Our reliable, high-quality solutions ensure our customers have years of successful operations.

We're problem solvers. We're challenge seekers. We're process solution experts.

So trust us with your process automation needs. We can handle it.



BAKING
TO
BEYOND



MINOR TO MIXED

Minors

Consistency, cleanliness, accuracy, accountability, traceability, labor savings... all reasons to automate your minor ingredients. We know that although they're called minor, they're a major part of your process. With precise minor ingredient automation, we ensure product quality.

- › Storage bins
- › Scaling/batching
- › Dust collection systems
- › Lot tracking
- › Process controls
- › Screening
- › Bag dump or supersack
- › Gain-in-weight or loss-in-weight systems



BULK TO BEST

Bulk

We move. We store. Bulk ingredient handling is one of our core strengths.

- › Unloading and storage
- › Silo inventory
- › Conditioning (drying/cooling)
- › Sifting
- › Scaling/batching
- › Vacuum/pressure systems
- › Dilute/dense phase systems





LIQUID TO LOVABLE

Liquids

We've handled it all when it comes to liquids, from bulk oil and sweetener systems all the way to E3A dairy compliance. With our breadth of capabilities, we're a leader in liquid handling. Leave your liquids to us.

- › CIP (Clean-In-Place) skids
- › Metering and dosing systems
- › Cream yeast systems
- › Slurry systems
- › Liquid egg systems
- › Liquid fermentation systems
- › Water blending
- › Tote systems



CONTROL TO COMPLETE

Controls

Controls are at the heart of every system. We integrate our knowledge with the right technology to keep your process on track. In addition to process controls, our Automated Ingredient Management (AIM) production software provides traceability for all raw ingredients.

- › Software development and hardware design
- › UL-approved controls hardware fabrication

AIM: Shick's production management software

- › Manage automated/hand-added ingredients, mix times and temperature set points
- › Pre-scaling features with inventory management
- › Create production schedules by recalling existing and new recipes
- › Report on ingredient inventory, lot codes/tracking, batches, production and yield
- › SQL server and data security/logins for administrators and view-only accounts





CONVEYORS

TO



CAFFEINATED



PARTS TO PERFECTION

Components

Maintain a healthy system with our components and spare parts assistance. Our extensive stock and timely delivery keep your system running seamlessly. You can be sure that we'll be there when you need a spare.

- › Bulk bag unloaders
- › Liquid IBC (tote) stands
- › Water blending stations
- › Bag dump stations
- › Aeration discs
- › IQC/CQC filters
- › Rotary valves
- › Diverter valves
- › Butterfly valves
- › Blowers
- › Scale hoppers/filter receivers
- › Lumpbreakers

Project Support

01. PROJECT MANAGEMENT

Our project management team is the customer advocate that ensures quality execution and constant contact. Shick's project managers coordinate engineering review points, installation, startup and commissioning.

02. ENGINEERING

Our engineering team takes our customers' visions and develops them into concrete concepts and designs that are the best solutions for their process. Shick's engineering staff includes mechanical, electrical and process engineers.

03. MANUFACTURING

Our manufacturing team ensures a high-quality finished product. Shick's manufacturing capabilities include modern laser and CNC fabricating equipment that supports MIG/TIG welding, horizontal/vertical mills and lathes, industrial glass and star bead blast finishing, final assembly, crating and packaging.

04. SITE SERVICES

Our site services team supervises system installations with minimal interruption to our customers' normal operations. Our technical

staff also participates in the actual system startup process. Shick's site services team is knowledgeable about customers' processes, plant layouts and production schedules to provide an efficient and accurate installation.

05. TESTING

Our research and development team creates innovative ideas and products to keep our company offerings current in an evolving marketplace.

The Shick test facility includes:

- > Vacuum and pressure dilute transfer systems
- > Vacuum, batch and low/high pressure continuous dense phase systems
- > Convey distances and elbows in multiple configurations to simulate production environments
- > Inline ingredient chilling



01.

PROJECT MANAGEMENT

02.

ENGINEERING

03.

MANUFACTURING

04.

SITE SERVICES

05.

TESTING

HEADQUARTERS

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