

TECHNICAL DATA SHEET

T. ERNST

PRECISION PACKAGING SYSTEMS FOR HANDLING



INDUSTRY:

Food Processing, Sugar, Grains, Agriculture, Chemical, Pharmaceutical

PRODUCT CATEGORY:

Packaging Systems

PRODUCT OVERVIEW

PACKAGING SYSTEMS

Packaging systems are engineered to deliver reliable, high-speed, and precise product handling across industries where efficiency and sanitation are critical. These integrated solutions include bagging, sealing, robotic packaging, and bulk filling systems designed to optimize throughput while minimizing labor and waste. With durable construction and advanced automation, they ensure accurate weights, consistent seals, and clean operation even in demanding production environments. Meeting strict industry standards, these systems support food, agriculture, chemical, and pharmaceutical facilities with flexible, scalable solutions that improve productivity, product integrity, and workplace safety.



#1 AIR SCREW BAG FILLING

High-speed filling of bags with precise air screw dosing.

UNIQUE FEATURES:

- Accurate fill weight control
- Automated air screw feed
- Dust-minimizing design
- Heavy-duty, sanitary construction

BENEFITS:

- Boosts packaging efficiency
- Reduces material waste
- Improves product consistency
- Enhances operator safety

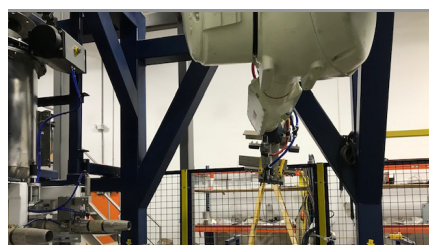
SHARED FEATURES

Packaging System Highlights

01 Air-screw system stainless

02 Robot arm, labor reduction

03 Industrial build & dust control



#2 BULK BAG FILLING

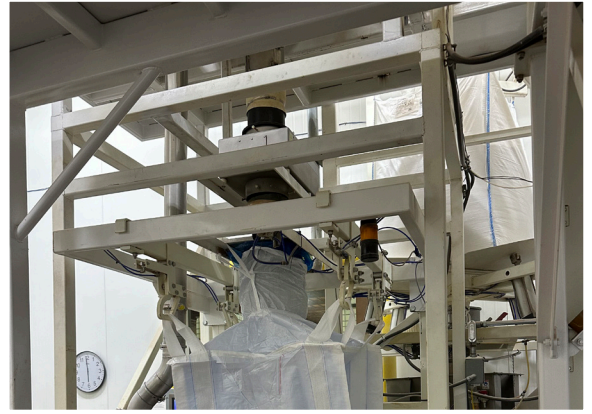
Custom sanitary platforms for safe equipment access

UNIQUE FEATURES:

- Heavy-duty bag support frame
- Integrated scale controls
- Dust collection interface
- Adjustable discharge spouts

BENEFITS:

- Efficient large-volume filling
- Reduce spillage and waste
- Improve workplace safety
- Increase packaging throughput



#3 ROBOT PACKAGING

Modular equipment skids for hygienic processing integration.

UNIQUE FEATURES:

- High-speed robotic handling
- Programmable motion paths
- Multi-axis flexibility
- Compact installation footprint

BENEFITS:

- Reduce manual labor
- Improve packing accuracy
- Enhance production speed
- Lower repetitive strain risk



#4 VERTICAL SEAL & FORM

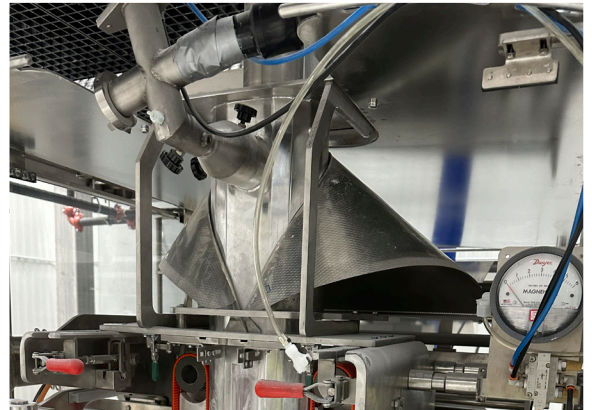
Blend liquids or melt solids into liquid form for downstream use.

UNIQUE FEATURES:

- Compact vertical design
- Flexible bag sizing options
- High-speed sealing unit
- Integrated film feeding system

BENEFITS:

- Streamlines bagging process
- Ensures secure product seals
- Reduces packaging downtime
- Supports multiple product formats



ACCESSORIES

- Weigh scales
- Discharge conveyors
- Bag clamps
- Vibratory tables
- Label printers
- Air compressors
- Checkweighers
- Dust collectors
- Hopper feeders
- Stretch wrappers
- Barcode scanners
- Filling nozzles
- Roller conveyors
- Bag sealing units
- Control systems
- Film roll holders
- Safety cages
- Transfer chutes
- Guard rails
- Palletizing arms
- Load cells
- Metal detectors
- Bag flatteners

APPLICATIONS

Food, Agriculture, Chemical, Pharmaceutical, Industrial

[Food] Flour, sugar, starches, grains, powdered dairy, packaged sauces

[Agriculture] Seeds, feed, fertilizers, bulk grains

[Chemical] Detergents, resins, powdered additives, solvents

[Pharmaceutical] Active ingredients, powdered medicines, sterile packaging

[Industrial] Cement, minerals, building materials, specialty powders



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