

TECHNICAL DATA SHEET

# T. ERNST

## FOOD GRADE INSTALLATION SYSTEMS



### INDUSTRY:

Food Processing, Beverage, Pharmaceutical, Nutraceutical

### PRODUCT CATEGORY:

Food Grade Fabrication & Installation Services

## PRODUCT OVERVIEW

### FOOD GRADE INSTALLATION SYSTEMS

Food-grade fabrication and installation systems are engineered for industries requiring uncompromising sanitary standards. From design through installation, these solutions ensure compliance with FDA, USDA, and 3-A standards while maximizing operational reliability. They include hygienic piping, modular skid systems, and sanitary platforms built for cleanability and long service life. Serving food, beverage, and pharmaceutical sectors, these integrated systems reduce downtime, improve product safety, and streamline compliance in processing facilities.



## #1 FOOD GRADE SYSTEMS

Hygienic installation of food-grade process systems.

### UNIQUE FEATURES:

- FDA & 3-A compliant design
- CIP/SIP ready fabrication
- Precision stainless welds

### BENEFITS:

- Reduce contamination risks
- Maximize production uptime
- Extend system service life

## SHARED FEATURES

### Food Grade Systems

**01** High-grade stainless steel construction



**02** Built to meet sanitary codes



**03** Modular, scalable configurations



## #2 FOOD GRADE PLATFORM

Custom sanitary platforms for safe equipment access

### UNIQUE FEATURES:

- Food-grade stainless design
- Slip-resistant surfaces
- Modular assembly options

### BENEFITS:

- Improve operator safety
- Ensure easy washdowns
- Adapt to facility layouts



## #3 MODULAR EQUIPMENT

Modular equipment skids for hygienic processing integration.

### UNIQUE FEATURES:

- Compact, skid-mounted design
- CIP-ready system piping

### BENEFITS:

- Reduce install time
- Simplify system expansion



## #4 SANITARY FABRICATION

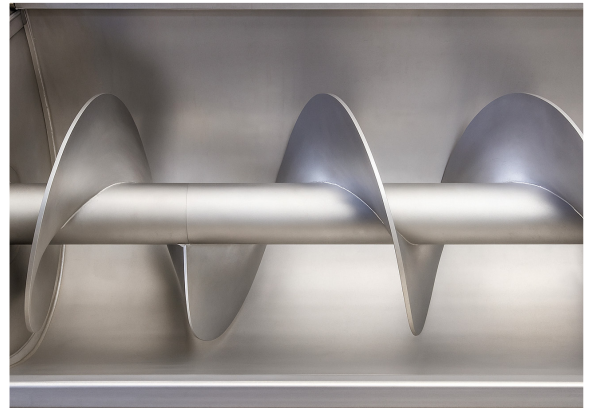
Blend liquids or melt solids into liquid form for downstream use.

### UNIQUE FEATURES:

- Precision TIG welds
- Food-safe surface finishing

### BENEFITS:

- Extend component lifespan
- Maintain hygienic standards



## ACCESSORIES

- Stainless valves
- Gaskets & seals
- Filter housings
- Heat jackets
- Sanitary clamps
- Sample valves
- Tri-clamp fittings
- CIP nozzles
- Flow meters
- Support frames
- Hygienic tubing
- Pressure relief valves
- Spray balls
- Access ladders
- Level sensors
- Handrails
- Instrumentation ports
- Drain assemblies
- Sight glasses
- Pump bases
- Manways
- Hose connections

## APPLICATIONS

Food, Beverage, Pharmaceutical, Dairy, Cosmetics

- [Food] Processing lines, sauces, dressings, marinades
- [Beverage] Juices, concentrates, brewery systems
- [Pharmaceutical] Sterile water, saline, medicines, APIs
- [Dairy] Milk, cream, yogurt, whey systems
- [Cosmetics] Lotions, creams, gels, personal care blends



## CONTACT US!

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