

# Solutions for the Food & Beverage Industry

Clean, Reliable Motion  
for Hygienic Production

# Engineered for Clean, Consistent, and Compliant Performance

In the food and beverage industry, motion systems must deliver more than just precision—they must meet strict hygiene standards, endure washdowns, and operate reliably in high-moisture and variable temperature environments.



Helix Linear Technologies offers motion control solutions specifically designed to maintain performance, reduce contamination risks, and stand up to the rigors of daily cleaning and production cycles.

From automated packaging lines to portion control and filling systems, our corrosion-resistant actuators and lead screws provide accurate, repeatable movement in both wet and dry processing environments. With food-safe materials, IP-rated sealing options, and low-maintenance designs, Helix helps manufacturers meet their productivity goals while staying in compliance with FDA, USDA, and industry sanitation requirements.

# Precision Motion for Safe and Efficient Processing



Helix Linear motion components support a wide range of automated systems in food and beverage operations, from dosing and sorting to packaging and labeling.

Our solutions are ideal for machinery that requires consistent force, precise positioning, and materials that won't degrade under harsh cleaning agents or moisture exposure.

## Key Applications:

- Portioning and metering systems
- Automated filling lines
- Conveyor control and diverter systems
- Food-grade packaging and labeling equipment
- Capping, sealing, and dispensing systems
- Meat and dairy processing automation

## Core Products:

- Stainless Steel Lead Screws
- Sealed Linear Actuators
- PTFE, PEEK, and Acetal Nut Assemblies
- Anti-Backlash Nuts for Precise Dosing

# Food-Safe Motion That Performs in Every Cycle

Our components are engineered with the food and beverage environment in mind, resistant to corrosion, compatible with CIP/SIP systems, and easy to integrate into both large-scale processing and compact equipment.

Helix products reduce downtime, extend equipment life, and contribute to safer operations by minimizing contamination risks with sanitary, closed designs.

## Performance Features:

- IP-rated and sealed actuator options
- Non-corrosive stainless steel and industry-approved polymers
- Lubrication-free or food-safe lubricant options
- Smooth surfaces for easy cleaning
- Long service life in repetitive cycle environments



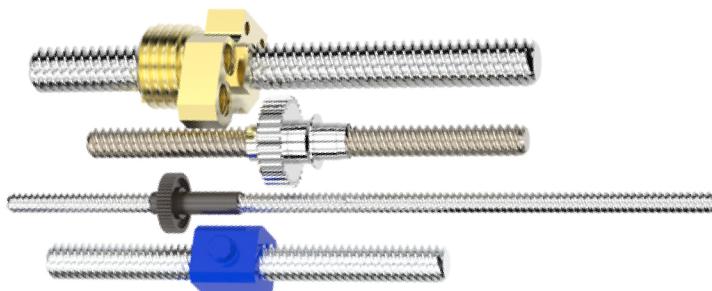
# Customized Motion for Food Industry Demands

Helix Linear Technologies works closely with OEMs and integrators to develop motion solutions that meet regulatory and operational standards.

Whether you're updating legacy machinery or launching a new automated line, our team provides support from design through delivery, ensuring every component is built for durability, compliance, and efficiency.

## Key Capabilities:

- Custom mounts, strokes, and speeds
- Compatible with USDA/FDA food safety guidelines
- Fast prototyping and scalable production
- Full documentation and material traceability



## Certifications & Standards:

- AS9100:2016 certified
- RoHS-compliant materials
- REACH-compatible grease and coatings
- Traceability on critical components



# Keeping Food Moving, Safely and Precisely

At Helix Linear Technologies, we understand the unique motion needs of food and beverage manufacturers. Our solutions help you improve efficiency, uphold sanitation standards, and meet evolving consumer demands with confidence. Whether in production, packaging, or handling, Helix delivers clean, precise, and dependable motion control every step of the way.



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