



Food & Beverage Processing & Packaging

Linear Guides & Track Systems for Food & Beverage Manufacturing

WHY CHOOSE HEPACO FOR YOUR FOOD AND BEVERAGE APPLICATION?

When it comes to demanding environments, few industries rival the complexities found within the food and beverage sector. Given the unique challenges and diverse range of sectors, spanning from dairy to bakery, meat and fish processing, and beyond, system components must possess the following attributes:

-  CORROSION RESISTANT
-  SUITABLE FOR WASHDOWN
-  EASY AND QUICK TO CLEAN
-  CAPABLE OF HIGH THROUGHPUT
-  LOW MAINTENANCE
-  DESIGNED TO MINIMISE DOWNTIME
-  RELIABLE AND COST-EFFECTIVE
-  COMPATIBLE WITH FOOD GRADE GREASE

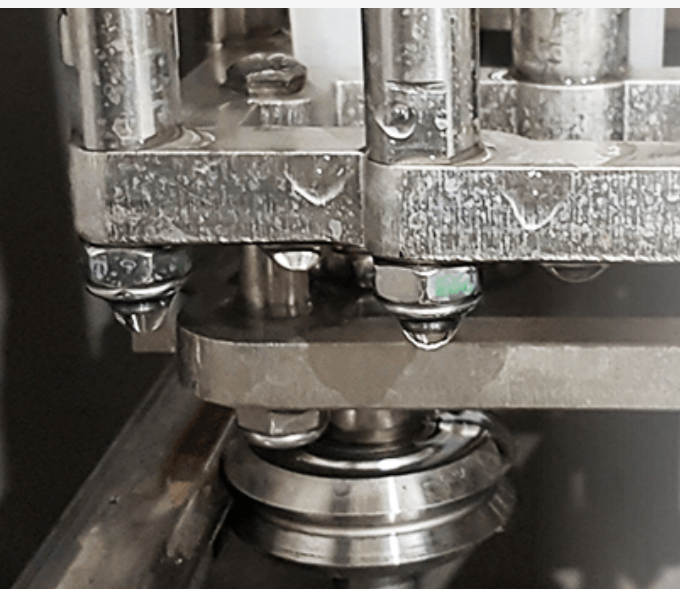
For over 50 years, HepcoMotion has been a trusted name in the food and beverage industry, providing innovative solutions that are both high-quality and low-maintenance, ensuring operations run smoothly and reliably. Our extensive product range offers tailored solutions for every sector in the food and beverage industry, including:

-  CONVEYOR SYSTEMS
-  AUTOMATED ASSEMBLY LINES
-  INDUSTRIAL OVEN/BAKING
-  FOOD AND BEVERAGE HANDLING
-  PACKAGING
-  INDUSTRIAL CHILLING PROCESSES
-  LIQUID FILLING
-  FOOD PROCESSING

That's why Hepco is relied on by some of the biggest companies in the food and beverage industry across the world:



OUR PRODUCTS ARE DESIGNED TO MEET YOUR INDUSTRY-SPECIFIC NEEDS

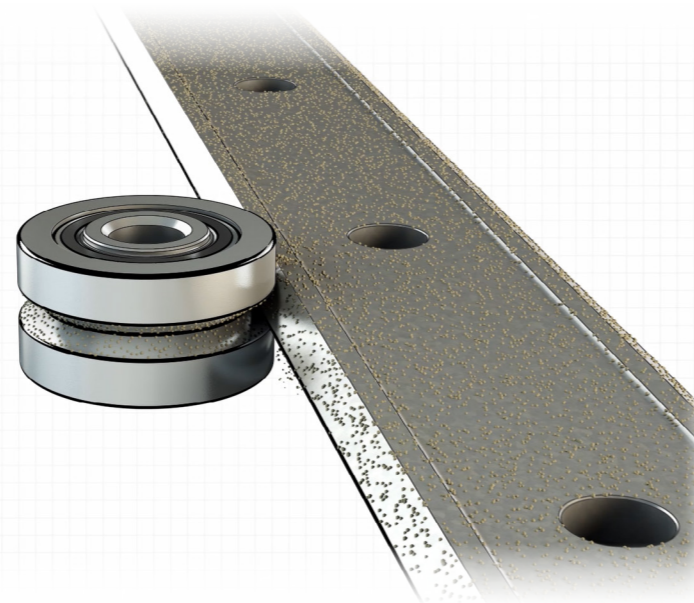


Suitable for washdown

Cleanliness and frequent washdowns are crucial in this industry, making stainless steel the preferred choice for its corrosion resistance and durability. Hepco offers stainless steel solutions for linear, circular, and actuation guidance and various corrosion-resistant products, including slides, bearings, and carriage plates.

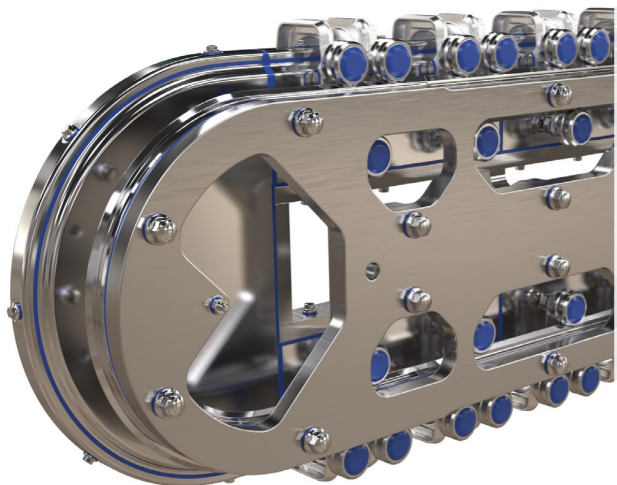
Easy and fast to clean

In the food industry, fast cleaning is vital. Hepco's V guide technology, with sealed bearings and no dirt traps, wipes away food debris and liquids, speeding up cleaning cycles and minimising downtime. The self-cleaning action prevents the system from jamming up with food debris.



Hygienically demanding environments

Not all systems meet strict hygiene standards due to inadequate cleanability, chemical resistance, and contamination reduction. Specialised solutions, like Hepco's GFX-Hygienic for Beckhoff's XTS, feature high IP69K protection ratings, chemical resistance, and designs devoid of hidden corners, edges, or undercuts to ensure optimal hygiene.



High speed for high throughput

Rapid process transitions are crucial to achieve high throughput demands. Hepco's V guide systems excel at high acceleration, making them ideal for high-speed applications, reaching speeds of up to 10m/s.

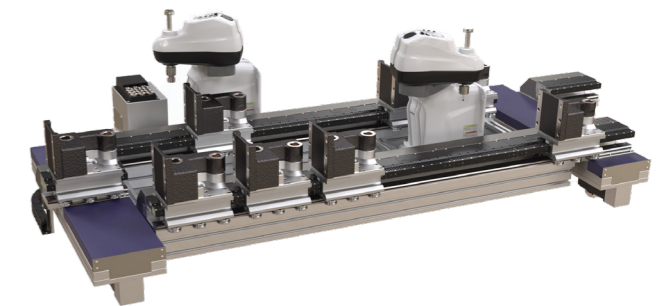
Low maintenance: higher yield

Time is money in the food and beverage industry; every second counts. Hepco's self-cleaning and adjustable eccentric bearings, along with self-lubricated and automated lubrication systems, keep maintenance and downtime to a minimum.



Space-saving

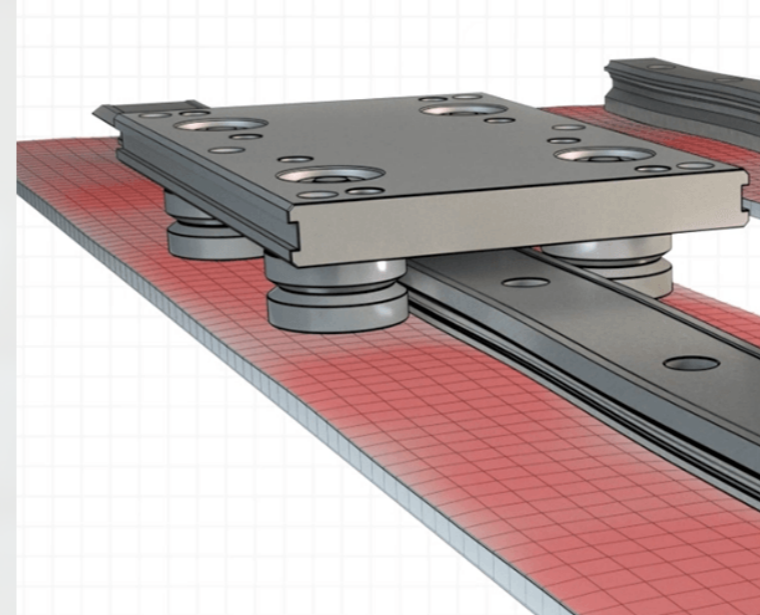
Systems can be configured in any orientation, including vertically stacked horizontal lines with lane switching to increase output without expanding the footprint. This ensures consistent product orientation, crucial in many food and beverage applications.





Quality materials

Quality is at the core of Hepco's products, with high-quality raw materials and manufacturing processes designed to provide long service life even in the most arduous applications. Hardened and ground stainless steel slides offer durability, resistance to corrosion, and smooth running.



Save time on installation

Mounting long systems can be costly and time-consuming. V guide technology accommodates surface inconsistencies for easy installation on minimally prepared surfaces, saving time and money.

Lubrication for every need

Hepco's products are compatible with food-grade grease, with cap wipers for long-lasting lubrication or bleed lubrication for continuous supply. All bearings are internally lubricated for life, allowing the system to run dry if needed.



Long system life

Even under frequent and thorough cleaning cycles, Hepco's products maintain exceptional durability. Additionally, a V guide system will not fail catastrophically, avoiding excessive downtime and negating the need for complete system overhauls.

Cost-effective solution

In today's competitive market, cost-effective solutions are a must. Hepco products deliver exceptional performance, reduce maintenance requirements, and offer extended lifespans, translating to significant cost savings.

Market-leading innovation and support

Hepco offers technical support in 63 countries, utilising 50 years of expertise in designing numerous solutions to assist in the selection process. Our in-house R&D team constantly innovates to meet changing customer demands, which is evident in our diverse product range and bespoke design service.



HEPCO'S V GUIDE PRODUCTS: THE BREAD AND BUTTER OF FOOD AND BEVERAGE APPLICATIONS

At the core of Hepco's products is its innovative V guide technology. V guide products are low maintenance and provide high speeds and long system life, with a unique self-cleaning action that expels debris, keeping machines running and reliable.

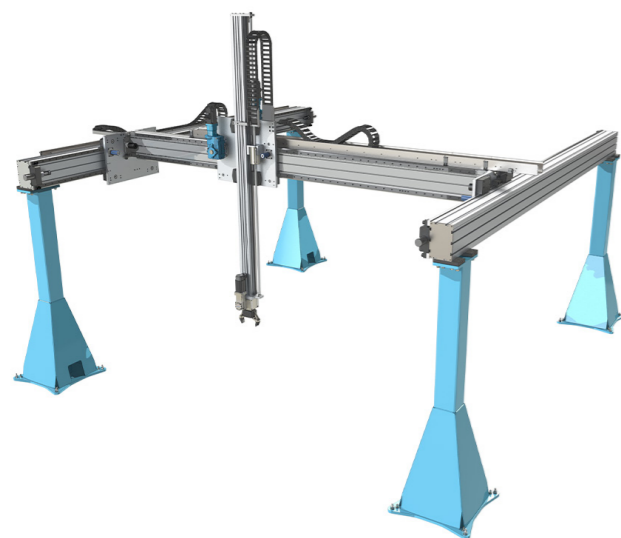
Linear Guides

- Hepco's SL2 stainless steel linear guide is ideally suited for use in the food and beverage industry
- A choice of drive options
- Available with flat slides and a plain carriage without edges or holes for hygiene
- Hepco also offers Bishop Wisecarver's DualVee slide. DualVee is easy to mount on any surface, ideal for parallel guide solutions, and allows for different carriage configurations



Gantry Systems

- For high speed and precise handling of heavily packaged food products, including transfer, pick and place, loading, and palletizing
 - Standard gantry configurations include XZ, XYZ, and X
- Bespoke designs are also available, saving considerable design time



Curved Rails and Track Systems



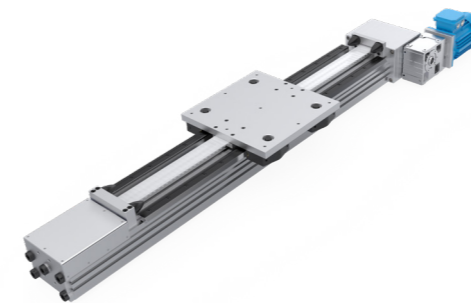
| PRT2 Ring Guide



| PRT2 Track System

- Stainless steel curved guides and track systems are available as standard, offering unlimited diameters, sizes, and high load-bearing capacity
- Many sizes and layouts of track systems are possible, including oval, square, rectangular, S bend, U shape, J shape, and many other shape configurations as required

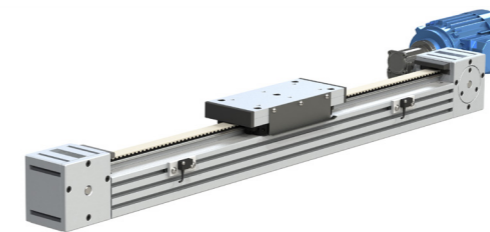
Actuators



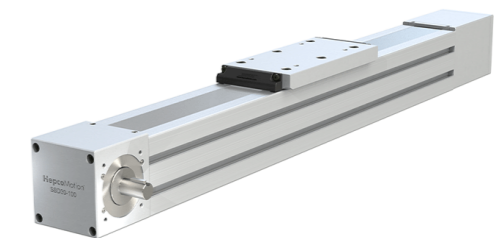
| HDLS



| SDM



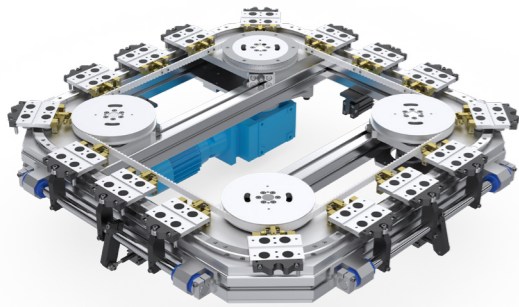
| DLS



| SBD

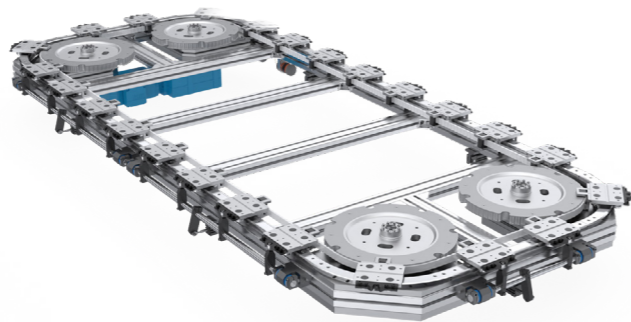
- Hepco has a range of corrosion-resistant actuators suitable for washdown and clean room environments
- Options include belt-driven, electric linear, and ball screw actuators, suitable for light to heavy loads and high to low speeds

Driven Track Systems



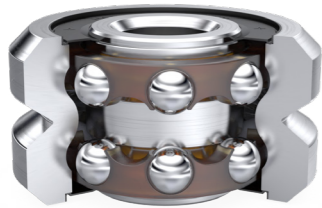
| DTS

- Proven in the packaging industry, these ready-to-fit systems minimise design time and cost
- DTS can integrate workstations anywhere along, and within the centre of the system, thereby minimising the machine footprint
- Perfect for continuous or indexing operations such as high speed sorting systems, bottling lines, and conveyor systems
- For higher loads (up to 10kN) requiring speed (1.5m/s and faster) and accuracy, Hepco's DTS+ provides the solution



| DTS+

Bearings



| Double Row Nitrile Sealed Bearings

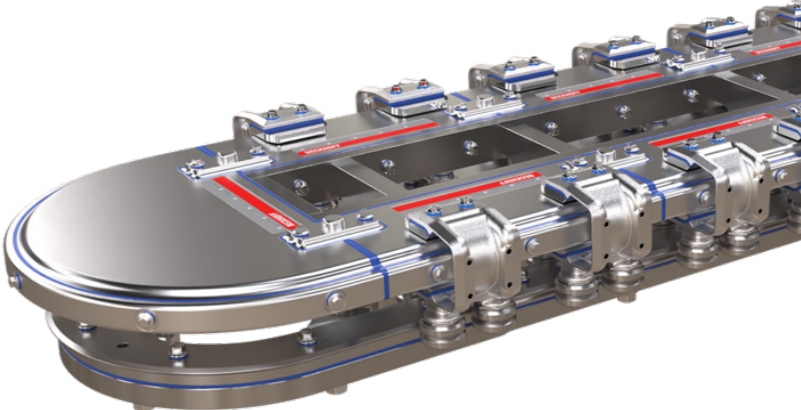
- Hepco's double row nitrile sealed bearings provide enhanced protection against water and debris ingress
- Vacuum and high-temperature bearings operate at temperatures between -50°C and +210 °C and are a proven solution for both chilling and baking processes



| Vacuum and High-temperature bearings

Smart Conveyor Technology

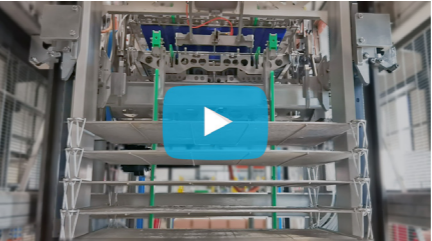
- Smart conveyor technology in food processing offers many benefits, most notably increased flexibility, efficiency, and productivity thanks to asynchronous movements
- HepcoMotion's GFX Hygienic Guidance System for the Beckhoff XTS is designed for the food and beverage industry
- This stainless steel guide has no concealed edges or undercuts, ensuring easy cleaning in hygienically demanding environments



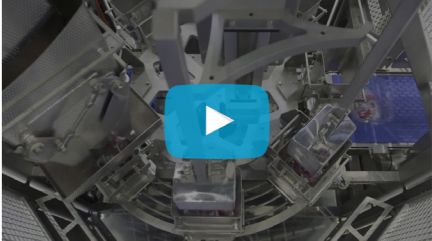
Related Videos



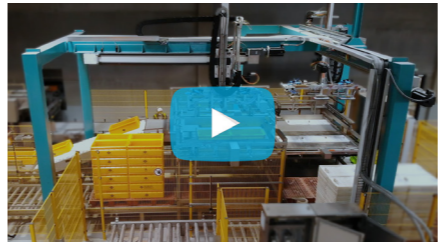
| Food Packaging Application



| Cheese Turning Application



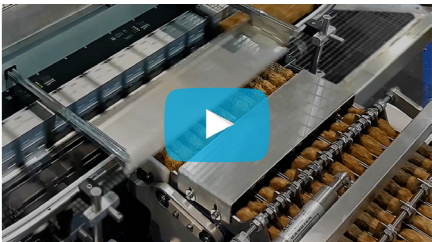
| DLS4 Actuator Tamping in Food Packaging Application



| Fishing Container Stacking Application



| Bottle Blowing Application



| Wheat Biscuits Flow Wrapping Application

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HepcoMotion®
Lower Moor Business Park
Tiverton Way Tiverton
Devon England EX16 6TG

Tel: +44 (0)1884 257000
E-mail: sales@hepcotion.com

Food and Beverage Processing & Packaging Leaflet UK 01
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