

Industrial
Hydraulics

Electric Drives
and Controls

Linear Motion and
Assembly Technologies

Pneumatics

Service
Automation

Mobile
Hydraulics

Rexroth
Bosch Group

So you can do more. Automation in the Food Processing and Packaging Industry

The Drive & Control Company



With our broad range of products you're even more flexible

Shorter product life cycles, new materials and changing manufacturing process increasingly determine the economical use of production systems in the packaging and food processing industry. Open, industry-specialized control and drive concepts with components from all drive technologies including intelligent interlinking systems offer excellent conditions for productive automation – from the manufacturing process to packaging to palletizing for shipping. You'll only find these solutions at Rexroth: They make production systems flexible, ensuring higher cycle rates, faster size changes and higher precision. Remote diagnosis-making via the web further increases system availability. Added to this are the advantages of cross-technology, worldwide service for fast, local fault identification and spare part procurement. Our many years of industry experience on the various technologies enables the design of customer-specific systems.

Anyone who wants to optimize productivity in the food processing industry should employ solutions from Rexroth in all areas. Ensure lasting advantages with:

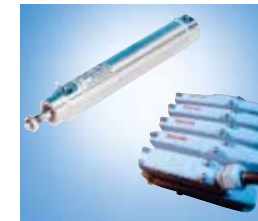
- hygienically designed and corrosion-resistant products
- constant, dependable product quality
- optimum control of throughput
- variable, sophisticated control concepts
- simple, fast maintenance world-wide



Our technologies really get you moving

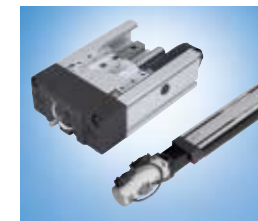
The food-processing and packaging industry in particular requires concepts that meet demanding requirements for functionality while being designed with the highest possible level of cost optimization. That's why Rexroth provides you with solutions that are not just limited to one technology, but instead utilize the advantages of all drive-relevant technologies. Whether its electrical, pneumatic or mechanical, Rexroth advises you objectively on which technology is best suited for which process, and supplies you with components that are among the best in their class, and lower your development costs with perfectly matched components and systems. No one but Rexroth can offer the food and packaging industry such a broad range of products and such advanced integration expertise.

Solutions from Rexroth utilize all technologies. The choice is yours



Pneumatics

From food handling and processing of foodstuffs to transport to packaging, pneumatic systems from Rexroth are everywhere. Simple, fast, economical – even under extreme conditions.



Linear technology

Guides or screw drives, individual or compactly integrated in linear axes, provide the precision motion and reliability required in the food processing industry.



Assembly technology

The VarioFlow™ single-strand conveyor system, based on the well-known module profile system, transports materials between individual packaging stations. Use of the SCARA and flexible robots even enables the realization of complex packaging processes.



Controllers and drives

The comprehensive line of Motion Control and PLC controllers, digital drives and a broad range of interfaces provides solutions for all automation tasks right up to the control of complex production systems.

Efficiency in line with your needs: Solutions with a system

1 Pneumatics with integrated diagnostics

Valve systems with a bus module are available with all common fieldbus protocols. Malfunctions in the pneumatic system are reported to the controller via diagnosis.

2 Controller: Motion & Logic

Intelligent electronics replace rigid mechanical machine systems and ensure economical, flexible system structures. An extensive range of logic functions enables perfect communication with all Rexroth products. The use of worldwide field bus standards protects investments and standardizes production systems.

3 Operation/visualization: HMI

Graphical interfaces permit the simple monitoring of your system data, from a simple LCD operating unit to a convenient IPC solution with a common architecture.

4 Electric drives: servos

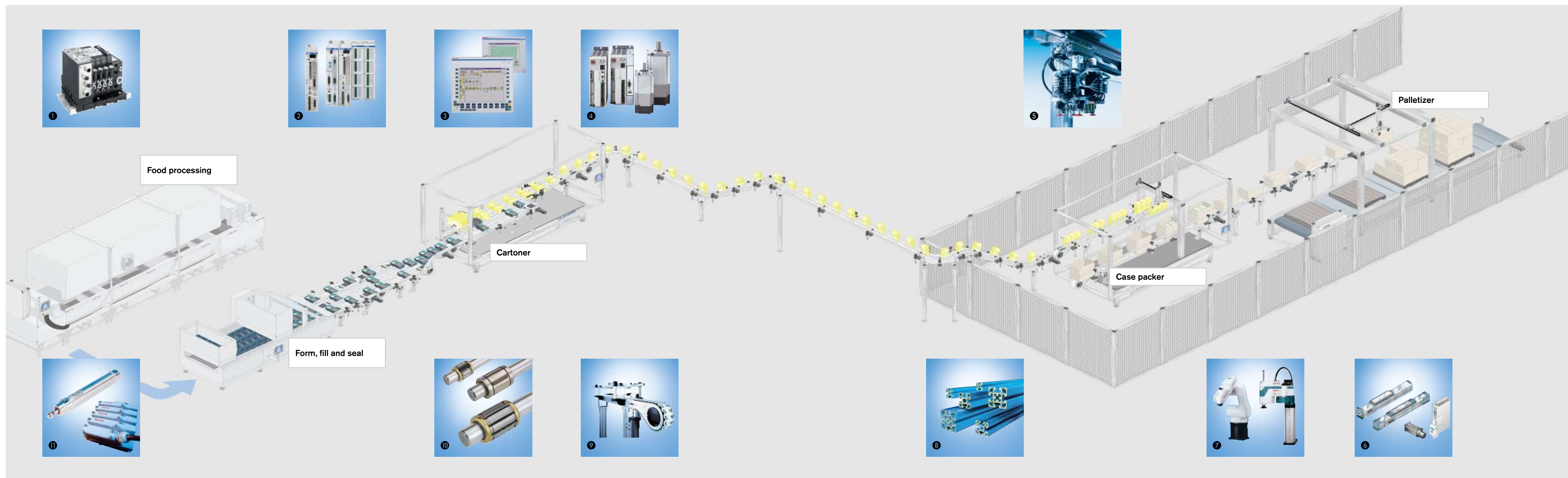
Compact, intelligent drive families with different designs and models, as well as extensive integrated technology functions are the solution for much faster, more precise automation tasks. Motors up to the protection type IP 67 are available.

5 Packaging handling

With our wide range of suction grippers and vacuum generators, you can handle any packaging task. A modular profile system and a wealth of pneumatic components make it easier to create your own designs for special tasks.

6 Positioning: linear modules and systems

Ready-to-install linear systems can be easily integrated into your machine structure. Various profile cross-sections with integrated guides and drives are available depending on the requirements.



7 Handling: robots

Fast SCARA and flexible robots with a powerful controller and a uniform programming interface open up many possibilities for economical handling during loading and unloading, palletizing and packaging.

8 Modular framing system: MGE

Our modular aluminum framing system with over 100 profile cross-sections, area elements and a broad range of accessories offers every possibility for designing frames, outer housings, protective fences etc.

9 Transport: VarioFlow™ conveyor

The VarioFlow™ chain conveyor system can be used ideally for all conveying tasks in every area of the packaging process. Whether it's a matter of vertical or horizontal sections or frequently changing conveying speeds – VarioFlow™ masters your transport tasks brilliantly. An extensive line of components enables the solution of any transport problem.

10 High-strength: linear guides

Reliable guidance with high-precision linear, anti-corrosion rail guides in the sensitive hygienic sector. Also available with stainless-steel mini-rail guides or ball bushings and shafts.

11 Extreme conditions: hygienic design

For applications in the food processing industry, Rexroth offers pneumatic components with especially washdown and corrosion-resistant designs. Our special valves and cylinders offer resistance to water, cleaning agents and chemicals.

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