

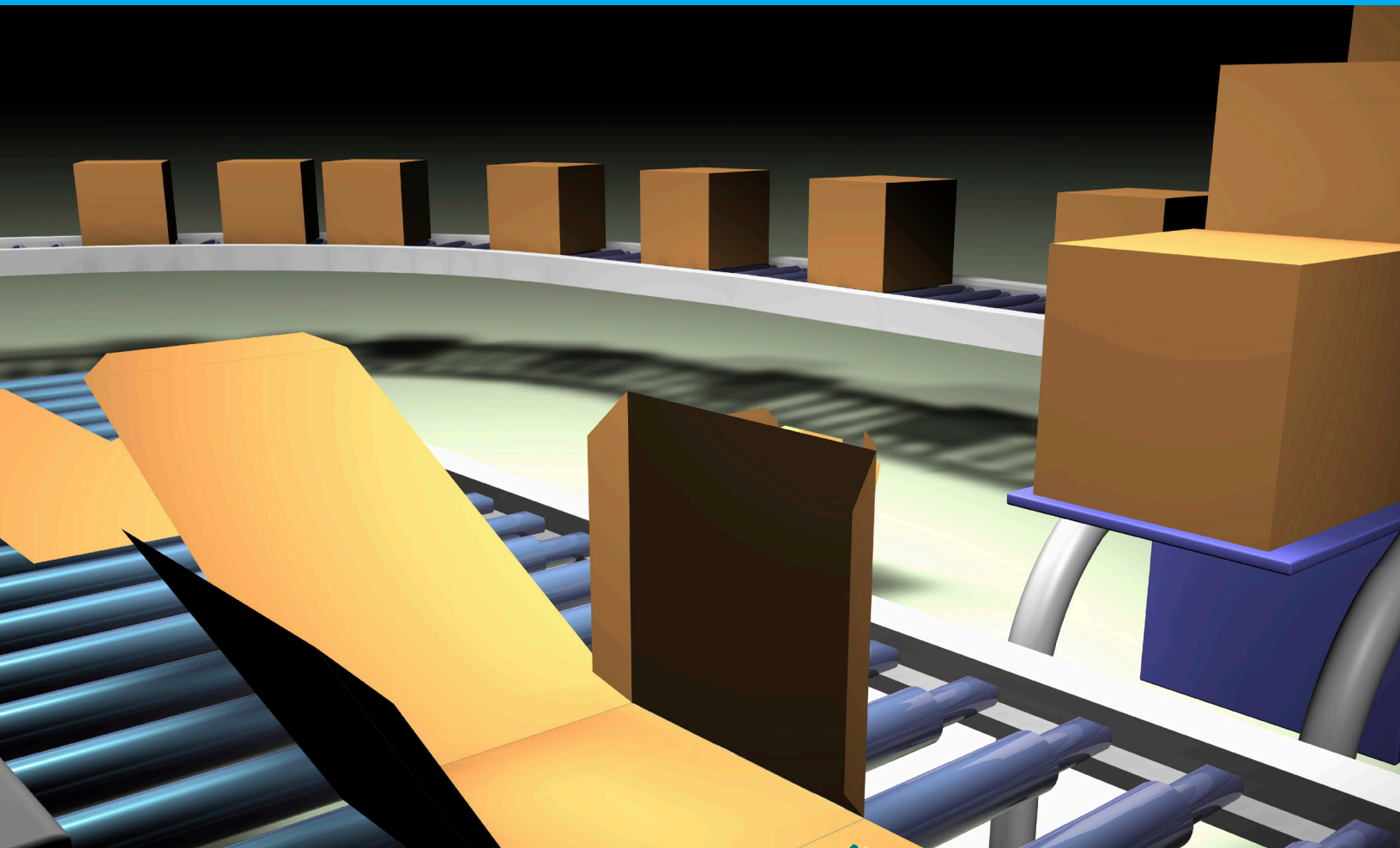
BIMBA PACKAGING PRODUCT AND SOLUTIONS GUIDE



FOOD AND BEVERAGE

MATERIAL HANDLING AND LABELING

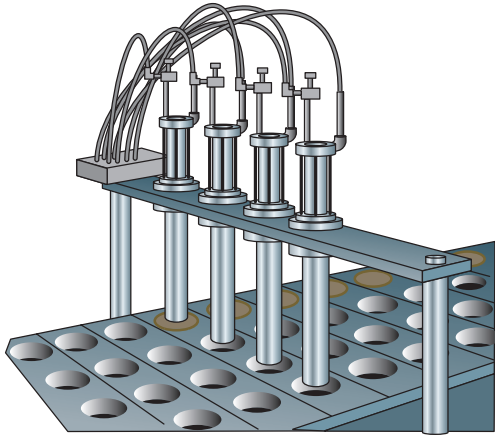
GENERAL PACKAGING



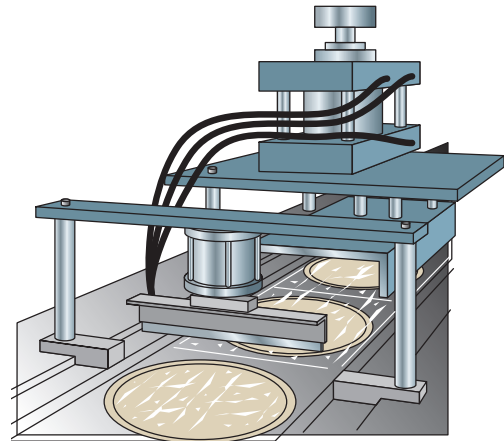
BIMBA

FOOD AND BEVERAGE

Within the food and beverage industry, Bimba actuators have been used to create a number of solutions. From shrink wrapping and container sealing to filling and weighing, Bimba actuators offer a cost effective stainless steel answer to many packaging applications. Bimba's focus on providing solutions is seen in our product breadth, which is the most expansive in the industry for roundline, NFPA, and low profile actuators, and also our ability and willingness to work together with you to develop and provide engineered solutions to solve problems and support your continuous improvement efforts.



Container Filling uses Bimba cylinders to activate a valve nozzle



Bimba Flat-1 and TRD NFPA cylinders used for heat sealing

Original Line All Stainless

Manufactured with 303 stainless steel end caps, 303 stainless piston rod, and a 304 stainless steel body, this new product has been engineered specifically for packaging applications that will require wash down, as well as many other challenging application environments. Available in four bore sizes (3/4", 1-1/16", 1-1/2", and 2") this design also includes a standard urethane rod wiper and PTFE-based rod bushings.



RS Cylinder

The Repairable Stainless (RS Series) was designed specifically for application in the packaging and food industries. The round, smooth bodied design has been engineered to meet USDA and 3-A Sanitary Specifications and proven ideal for wash down environments and other applications that require an all stainless steel design.



PC Cylinder

The Bimba PC Cylinder has a stainless steel body, stainless steel rod, and acetal resin end caps. It is ideal for packaging applications and other environments that require exposure to moisture, lubricants, and specific solvents.



Position Feedback

A bottling equipment manufacturer uses Bimba Position Feedback Cylinders to shorten the cycle time on their filling machinery. The cylinders control the apertures of nozzles, slowing the filling rate as bottles fill to eliminate spillage. The cylinders and our PCS controllers are interfaced to a PLC for precise closed loop control.



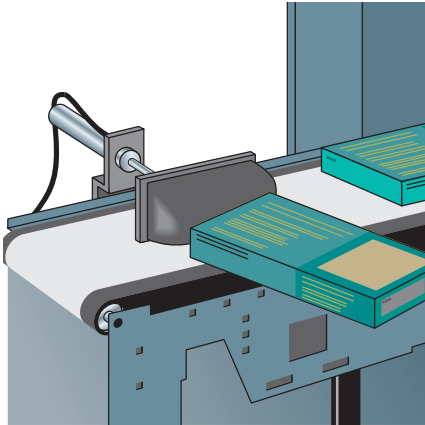
Low Profile Actuators

Bimba low profile actuators give packaging applications the most extensive product breadth of low profile actuator designs and options, providing customers with the ability to choose a product that provides the ideal fit, form, and functionality.

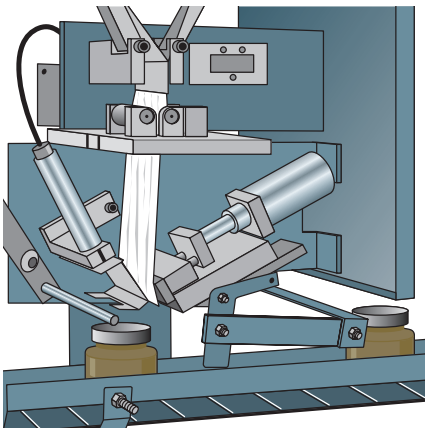


MATERIAL HANDLING AND LABELING

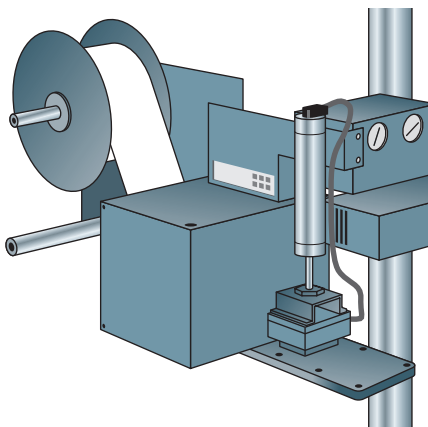
Whether working with customers to increase processing speeds or helping them with their demands for improved accuracies and efficiencies from valves and actuators, Bimba has been there every step of the way to help boost productivity while controlling costs within the material handling and labeling industries. For example, Bimba's position control technology and position feedback cylinders are used every day to provide increased accuracy and optional control of production processed.



Bimba Original Line cylinder used in conveyor material handling



Mead Centaur Roundline Actuators facilitate shrink wrapping applications



Bimba Actuators apply labels in a label printing machine



SOLUTIONS FOR MATERIAL HANDLING AND LABELING

Printing

A Bimba non-contact position feedback cylinder with a rod lock and a PCS controller is used by a printer manufacturer to keep print heads from drying during power outages. The platen can be accurately kept within a fraction of an inch of the print head using closed loop control. When power fails, the rod lock clamps the rod in position, holding up the platen to prevent ink from drying.



Sorting

A Pneu-Turn rotary actuator with anti-backlash option is used by a bulk mailing facility to apply labels to envelopes. Accuracy and speed are key features.

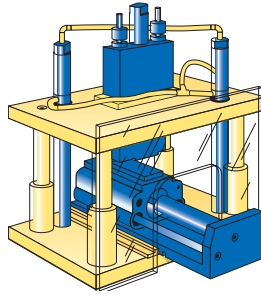


Label Application

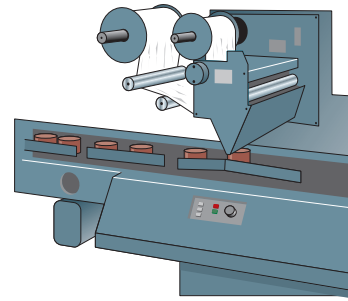
A PneuMoment is used by a labeler and printer manufacturer to apply labels to packages. Speed, safety, and appearance were key considerations. The PneuMoment has no pinch points and its eight bearings provide precise motion.



GENERAL PACKAGING



Bimba's automation products can be used together to provide controlled multi-axis motion

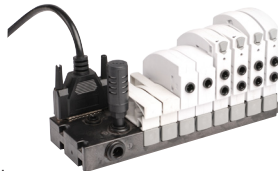


Bimba Actuators sort and seal product containers

SOLUTIONS FOR GENERAL PACKAGING

Mead Isonic Valves

Mead Isonic 2-way, 3-way, and 4-way modular valves eliminate the need for tube fittings. Isonic Mod-3 valves have fast response, simultaneous electrical/pneumatic connection to the manifold, low power consumption, high chemical resistance, and they are field bus controllable.



TRD NFPA Cylinders

Precision machined for consistent performance and long life, TRD's industry-leading line of NFPA tie rod cylinders deliver durability with quality and service that is unparalleled for air cylinders. Alternate materials such as the all stainless steel design and optional designs such as the triple rod or the micro adjust make TRD the NFPA cylinder of choice for the packaging industry.



Turn-key Filling Valve

For bottom filling or simple fluid dispensing, Bimba has a standard, turn-key solution: a filling nozzle that is fully integrated with a Bimba actuator. With all stainless steel construction, the design is compact, leak free, durable, and readily serviceable.



FRL

Without a good source of clean, pressure regulated air, your pneumatic components are susceptible to breakdowns that can disrupt your process costing you valuable time and money. Bimba offers a complete line of Air Preparation Filters, Regulators, and Lubricators.



Find more Packaging solutions from Bimba at www.bimba.com/solutionsshop

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