

Traveling Carriage

Oscillating, in-line motion, or customized carriages designed to fill containers in conjunction with product delivery equipment.



"A tradition of quality and excellence"



- **Maximum Fill Time**
- **Tool-less Change-over**
- **Can Sweep The Container**
- **Can Deposit in Specific Areas**
- **Timing Adjustable in Motion**
- **Approved Sanitary Construction**

Traveling Carriages

A Traveling Carriage enables a dispensing valve, depositor chute, etc. to move in time with a conveyor thereby assisting an operation on a readymeal container, pie, or pizza. The Traveling Carriage provides an extended fill time that far exceeds the industry average and accurate, splash-free fills or bounce-free deposits. Along with many other applications, the system can also be used to shape food product or move food to one end of the container. This provides the very best throughput possible for a food production assembly line by allowing the conveyor to maintain continuous motion.

The synchronous motion with a conveyor can be powered directly by the conveyor or independently driven by a servo motor. Its rugged construction allows it to be used as a stand-alone unit attached to a pre-existing line or as an integral part of a Raque-built production line.

These systems are available in variations of linear motion with vertical motion or oscillating motion. Vertical motion allows the carriage's mounts to come as close as possible with the moving containers during each cycle. Piston filling systems can have the dispensing nozzles enter the container, which assures clean deposits. Selective combination weighing machines can have their product deposited gently while the container continues its travel.

Sanitary Construction

Raque machines are built to USDA standards and are manufactured from high-quality, food-grade materials and can be CE marked for conformance to relevant EU directives. Raque is dedicated to making food packaging machinery, and only hygienic materials are stocked and machined in our facility. Our systems are designed for ease of sanitization, and every component has been selected for use in food production facilities.

Customizing

Depositor mounts are specifically designed to match conveyor and depositor configurations. Quick-change mounts can be provided to accommodate different product containers, dispensing locations, etc. Mechanical linkages and/or control systems can provide multiple motion profiles. All of these parameters are combined to make the optimum system for your packaging needs.

Linear-motion Traveling Carriages often integrate vertical motion into its horizontal travel. Fluid dispensing valves can place product in specific locations or "sweep" the container to optimize product spread. Solid product depositor chutes can drop product into specific locations and can incorporate additional mechanisms for further assistance.

Unique configurations can be assembled upon customers' requests: sauce can be spread to make border-free pizzas; food product can be shaped or formed for desired appearance; pie toppings can be manipulated to look hand-worked. The Traveling Carriage can be the basis for a completely custom system that can provide almost any production need.

A full range of accessory equipment and options are available including:

- Independent Drive
- No Container / No Fill
- Multiple Vertical Motions
- Tool-less Mounts
- Product Dockers
- Lid Dispensing
- Portable Roll-Over Mobility



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