

Zephyr™

Horizontal Motion Conveyors

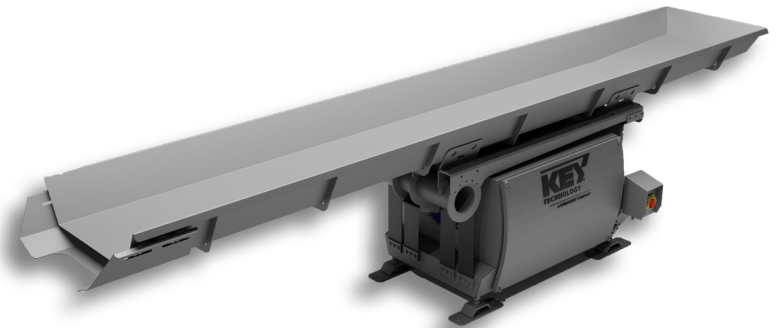
The next-generation of horizontal motion conveyors from Key Technology, Zephyr provides gentle, high-capacity and low maintenance conveying for processors of frozen, fragile, seasoned, breaded or coated products.

Gentle, High- Capacity Conveying

Powered by a patented counterbalanced direct drive, Zephyr utilizes horizontal movement to gently slide and convey product with no segregation or stratification. With virtually no vertical loft, Zephyr reduces product breakage and the loss of coatings such as seasonings and batters while limiting system noise to 75 decibels or less.

Zephyr moves product at rates of up to 0.2 meters per second -- up to twice the throughput of other horizontal motion conveyors.

Zephyr is ideal for frozen bulk foods like potato products, fruits, vegetables, meat and poultry as well as dry products like nuts and cereals.



Seamless Integration

Customized for your application, Zephyr's bed can be up to 1 meter (3.3 feet) wide and, depending on width, up to 7 meters (23 feet) long and is capable of running product at a product depth of up to 254 mm (10 inches). The drive can be located in any position below the bed to support integration with other equipment in the line.

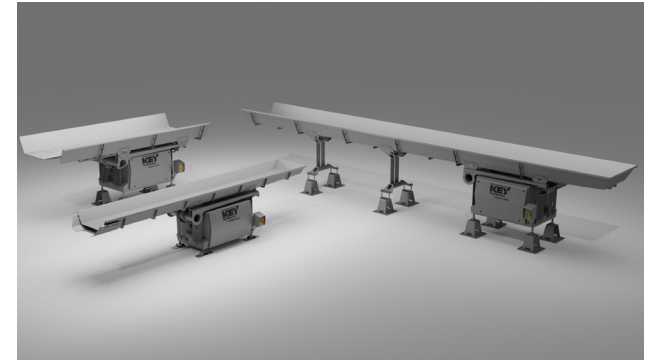
A variety of bed options are also available, including slide gates for scale feed distribution, a discharge to enhance multi-head weigher feed, or a bias to spread the product when feeding downstream equipment. It can also be configured with a stop-start mode.

Sanitation

Every aspect of the system utilizes sanitary design and manufacturing principles:

- Stainless steel conveying bed and drive housing
- Sanitary grounding arms
- Long-life bearings and scalloped flat bars
- Carbon fiber springs with food-safe coating
- Sanitary manufacturing finishes

Zephyr's design satisfies the most stringent sanitation demands and its self-cleaning horizontal motion reduces the chance of product build-up.



Reliability

Zephyr is powered by an electric motor that drives a primary drive shaft with few parts to ease maintenance – no timing set up is required.

The drive's secondary shaft supports eccentrics with long-life bearings. These eccentrics drive Zephyr's conveying bed and a counter weight system to help minimize floor vibration loads. The bed and structural components are backed by Key's industry-leading, five-year warranty.



Complete Line of Conveying Solutions

Suitable for integration with Iso-Flo®, Impulse® and other vibratory conveyors from Key, Zephyr rounds out the Smart Shaker® conveying suite, providing customers with the most complete range of conveyor technologies from one manufacturer.