

Marathon Conveyor



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Until now, Key Technology's time-tested Iso-Flo® vibratory conveyors have been available in lengths up to a maximum of 30 feet. But now there's the Marathon stainless-steel distribution conveyor, in lengths from 30 feet (9 meters) to over 100 feet (30 meters) on one unit. Marathon handles products from vegetables and fruit to a range of bulk value-added products.

- Longest run on one shaker maximizes efficiency
- Compact, well-tuned system optimizes performance
- Minimal support structure requirements allow flexibility of installation
- Exceptional reliability
- Low maintenance
- All stainless-steel construction

We design Marathon to deliver the lowest downtime of any vibratory conveyor over 30 feet. Based on the same industry-favored operating principle used on Key's other Iso-Flo shakers, Marathon is designed using predictive modeling and Finite Element Analysis to define the characteristics of each shaker and ensure efficient conveying. You'll know in advance how Marathon will perform in your plant, under your conditions.

Marathon's robust, well-tuned system optimizes performance. The independent, frame-mounted drives and spring arm assemblies uniformly distribute energy along the conveyor bed in a controlled natural-frequency operation. The compact, robust frame and smaller footprint are efficient and plant friendly, requiring less support structure and allowing easy and flexible installation.

Marathon is also available with Monobeam construction featuring a narrow frame that is less than half the surface area of traditional Marathon frames. Monobeam style shakers offer better access to the conveyor bed and fewer parts to clean and maintain. The Monobeam Marathon construction minimizes footprint and enhances equipment sanitation. Monobeam style shakers are available in lengths of 9 to 15 meters. This is Key's longest Monobeam vibratory conveyor. These models also use natural-frequency vibratory motion to distribute bulk foods long distances on a single unit. Marathon with Monobeam can achieve conveying speeds greater than 15 meters (50 feet) a minute, depending on the application.

Marathon is driven by two foot-mount, self-synchronizing motors. These self-contained drives



Marathon Conveyor with Monobeam

minimize maintenance with fewer moving parts and long-life bearings. Together, these reliable drives and the optimal design of the tuned system create a low-maintenance shaker that helps maximize your production efficiency.

Marathon comes in a variety of standard sizes, and can be custom designed to fit virtually any line. Easily integrated with other shakers in Key's family of conveyor systems, Marathon can be controlled with Forté™, Key's modular control system that simplifies operator interface and helps ensure optimal performance of the line.

Solutions That Make Sense

Key knows that, at the end of your day, you measure your conveyor system's value by your bottom-line results. The Marathon shaker increases your profitability through improved efficiency and reliability, low maintenance, and reduced labor costs. Go the distance with Marathon – can you afford not to?