

Impulse®

Electromagnetic Vibratory Conveyors

Key Technology's Impulse® line of electromagnetic conveyors provides the ideal balance of reliability, flexibility, and performance for processing lines worldwide. As a part of Key's SmartShaker® family of proven vibratory conveyors, Impulse® executes on the concept of maximizing overall process line efficiency by delivering the best solution for many processing applications, including accurate feed control, flexible collection & distribution, and sanitary bulk transfer.

- Precise, energy-efficient electromagnetic conveying
- Maximized food safety and product quality
- Flexible, custom-designed systems up to 1500 mm wide and 6000 mm long
- Nearly silent operation
- Oil-free, maintenance-free drives with no sliding or rotating parts, belts, or bearings
- Rugged construction ideal for challenging environments

Flexibility

Every Impulse® comes with dedicated solid-state controls that allow conveying pan amplitudes to range from 0 to 100 percent, to adjust speeds for different products and processing conditions. They are self-tuning and regulating with respect to frequency and product load. Impulse® is self-compensating in case of spring failure. They are also dust and moisture resistant; controls are housed in IP65 rated enclosures, and magnets in IP64 rated enclosures, for trouble-free operation in many environments. And Impulse® shaker drives are oil-free, which increases their value with very low maintenance requirements. Impulse® shakers can be integrated with existing processing and packaging lines, as well as with Key's entire line of vibratory conveying systems. Amplitude can be controlled manually by potentiometer or by external signal (0-10V) 4-20mA. And a wide range of system engineering and applications testing services are available for specific processing needs.

Customization

Each Impulse® system is custom-designed, with drive sizes, product conveying surfaces, and system configurations for many applications. Impulse® electromagnetic shakers range from 200 mm to 1500 mm wide, and from 900 mm to 6000 mm long. The simplicity of the drive ensures low maintenance, since there are no sliding or rotating parts to wear, and no belts or bearings to fail.



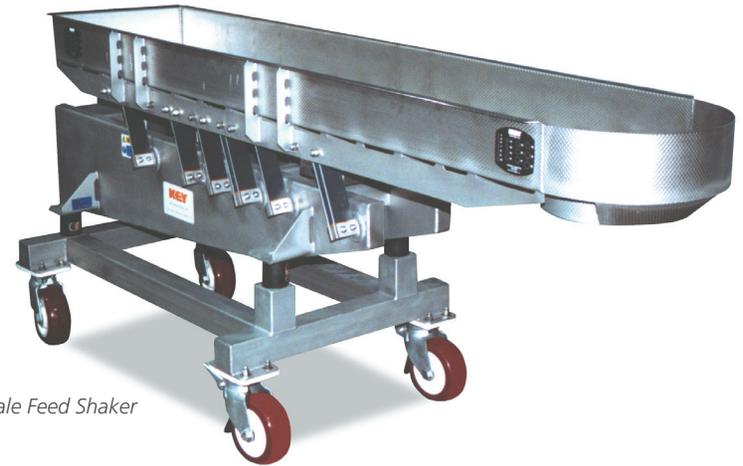
For sticky or wet products requiring more loft during conveying... Impulse® -- the electromagnetic conveyor with a lower speed/higher stroke option

Solutions That Make Sense

Key knows that, at the end of the day, you measure your conveyor system's value by your bottom-line results. The Impulse® electromagnetic shaker increases your profitability through improved product quality, low maintenance, and reduced labor costs. Operate on Impulse® – can you afford not to?



*Impulse® Transfer Shaker
with Storage Capacity*



Impulse® Scale Feed Shaker



*Impulse® Compact
Alignment Feed Shaker*



*Impulse® Scale Feed Shaker
with Bunker Storage*