

# Impulse™

## Electromagnetic Vibratory Conveyors

# IMPULSE™



*For sticky or wet products requiring more loft during conveying...Impulse L15 -- the electromagnetic conveyor with a lower speed/higher stroke option*

Key Technology introduces our new Impulse™ line of electromagnetic shakers, ideal for fruit and vegetable processors as well as snack food and other dry products. Controlled by amplitude variation, these shakers are ideal for product mixing lines, ingredient feeding, scale feeding, and other applications that demand accurate control, precise metering, gentle handling, and quick start/stop.

- Precise, energy-efficient electromagnetic conveying
- Maximized food safety and product quality
- Custom-designed systems up to 40 inches (1016 mm) wide and 14 feet (4260 mm) long
- Oil-free, maintenance-free drives with no sliding or rotating parts, belts, or bearings
- Rugged construction ideal for tough industrial applications

### 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, and controls are housed in NEMA 4X rated enclosures, for trouble-free operation in many environments. And Impulse shaker drives are oil-free, which adds to their flexibility in sanitary installations. Impulse shakers can be integrated with existing processing and packaging lines, as well as with Key's entire line of vibratory conveying systems. 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 2 inches (50 mm) to 40 inches (1016 mm) wide, and from 12 inches (305 mm) to 14 feet (4260 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.

### 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?

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# Impulse Electromagnetic Conveyors

Model	Pan Size			Stroke			Operating Speed (Hertz)	Pan Weight Lbs (Max)	Volume Feet <sup>3</sup> /Hr (Max)
	Length (A)	Width (B)	Height(C)	Min	Max	Type			
S30	1' - 4'	2" - 17"	2" - 10"	0	3/16"	Short Stroke	30	15 - 70	400
M15	3' - 8'	6" - 18"	2" - 8"	0	9/16"	High Stroke	15	40 - 150	550
M30	3' - 8'	6" - 18"	2" - 8"	0	3/16"	Short Stroke	30	60 - 170	530
L15	8' - 14'	12" - 40"	2" - 8"	0	9/16"	High Stroke	15	120 - 300	1000
L30	8' - 14'	12" - 36"	2" - 8"	0	3/16"	Short Stroke	30	200 - 500	800

