

Iso-Flo® Smooth-Cycle™ Scale-Feed Vibratory Conveyor

Under intermittent start/stop operation, conventional isolated vibratory [scale-feed conveyors](#) can exhibit substantial amplitude changes. The resulting vibration and stress to supporting structures causes more wear on the conveyor and increased maintenance on the supporting structure.

Key's [Smart Shaker®](#) engineering expertise shines as [Smooth-Cycle™](#) eliminates these difficulties with a unique dual-mode flow control that never fully drops out of vibratory mode, so transmitted forces are small, greatly extending the life of all components and reducing the need for bulky supports. Product flow resumes smoothly and efficiently with cycle times of less than 1 second.



Common Product Applications

- Berries
- Cereal
- Confectionery
- Fresh-cut
- Fruit
- Nuts
- Potato products
- Snack food
- Vegetables

Other applications may be used on this equipment. Call Key to find out about how your product(s) may benefit from this technology or another system.

Designed for Scale-Feed Applications

- Conical discharge for even product feed to scale hoppers
- Extended bed for reaching the scale dispersion cone
- Transitions from full conveying speed to no-flow in less than 1 second
- Choice of two or three preset drive speeds
- Minimal vibration; will not affect accuracy of scales

Dual-Mode Flow Control

- Flow mode conveys product gently and efficiently
- No-flow mode slows sufficiently to stop product flow
- Intermediate "low flow" option
- Never fully drops out of vibratory mode, eliminates start/stop forces
- Product flow resumes in less than 1 second
- Minimizes wear on components

Key Typically Includes With Each Smooth-Cycle™ a NEMA 4 or 4X Enclosure Containing:

- AC inverter to toggle between two (or three) preset drive speeds
- Motor overload protector
- Fuses
- Switches
- Emergency stop and reset
- Hand-off-auto
- Speed select