



PFlow PowerTow™ Cart Return System

AUTOMATED EMPTY CART RETURN

PFlow PowerTow™ automates empty cart return to reduce injury risk, eliminate dock congestion, and support safer, more predictable throughput.

Key Features:

Automated empty cart return uses a powered, surface-mounted inclined ramp with lugs that smoothly engage and disengage carts, eliminating manual cart return entirely

Controlled one-way cart movement, removes variability and dock area interference

Engineered for single-story dock operations where daily inefficiencies compound quickly

Isolated cart return separated from outbound package flow, protecting shipping velocity



PFlow PowerTow™ - Shown Without Roof

Operational Benefits:

Eliminates a leading source of employee strain and injury by removing manual cart handling up ramps

Standardizes cart return into a predictable, repeatable process, not a labor-dependent task

Improves safety in high-traffic dock and apron areas

Protects throughput and operational continuity without adding headcount or expanding square footage



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Capacity & Performance

Designed for efficient multi-cart operation (up to 3 carts on ramp at one time) with defined load capacities and controlled operating speed.

Power & Drive

Engineered with an industrial electrical drive system that provides reliable, synchronized motion for continuous operation.

Structure

Features a robust, self-supporting structure, expanded metal enclosure panels, and a structurally rated corrugated roof for rugged protection and durability.

Controls & Safety

Equipped with a UL-certified, NEMA-rated control panel, remote I/O, integrated safety devices, and automated fault and jam detection to support safe, reliable operation.

Access / Guarding

Protective enclosure and guarded access points designed to enhance operator safety while allowing controlled, LOTO maintenance access.

Finishes

Industrial-grade finishes with slip-resistant surfaces in accessible areas to support safe operation and maintenance.

Approved Carts

Compatible with approved carts. For alternate cart designs, contact PFlow Industries to discuss custom options.



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