

## ProFlex Power Conveyor System

The Ashland ProFlex Power Conveyor System is a versatile, high-performance material handling solution for 3rd-party logistics, manufacturing, e-commerce, distribution and retail operations. ProFlex is ideal for truck loading and unloading, and a wide range of other conveyance applications. ProFlex arrives fully assembled, is easy to deploy, includes a start-stop button on each end and runs on standard 120V single-phase power for operation right out of the box.

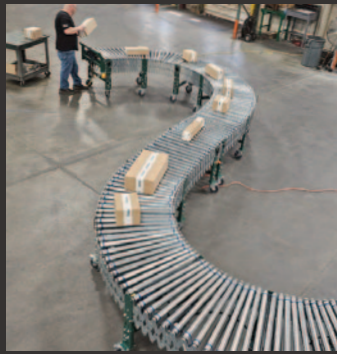
### Modes of Operation

- **Zero Pressure Accumulation** – Each zone has a diffused photo-eye sensor and UL-listed 24V DC UniDrive brushless motor. Zones operate only when the downstream section is unoccupied, using advanced control features for smooth accumulation and efficient package flow, while reducing energy consumption and lowering maintenance costs. Optional Slug Mode operation (transportation/ZPA hybrid) increases package throughput while maintaining accumulation characteristics. In reverse, they conveyor operates in Transportation Mode only.
- **Transportation** – The conveyor continuously moves packages without entering sleep mode, ensuring constant flow for high-throughput applications. Unlike Zero Pressure Accumulation, zones remain active even if downstream sections are unoccupied, prioritizing uninterrupted movement. Reverse is optional.

### System Integration & Customization

- The **Integration Kit** enables two ProFlex units to be linked together, featuring a handshake controller for easy plug-and-play installation and seamless communication between both conveyors. The kit can also be used to connect to existing customer infrastructure, including conveyors, tuggers, robotics and other material handling equipment, providing flexible and integrated operation.
- ProFlex conveyors are available in standard lengths of approximately 20', 40', and 60' for 3" roller centers, and 24', 48', and 72' for 5" roller centers. For additional flexibility, units can be built to custom lengths, leg heights, roller centers, and with powder-coated legs in industry-standard colors, alternative power supply inputs and advanced control configurations to meet specific operational requirements.





### Advanced Flexible Conveyance Technology

Experience smarter material handling with lower energy use. ProFlex combines next-generation motors, enhanced power transmission and intelligent controls to deliver optimized performance with unmatched efficiency.

### Superior Durability

Built tough for the most demanding environments, ProFlex offers a longer service life and ultra-low maintenance costs. The result: a higher return on investment.

### Simple Maintenance

Keep downtime to a minimum with:

- Quick-change belts and rollers
- Easy-access motors and controls
- Maintenance is streamlined so your team can stay focused on production.

**ASHLAND CONVEYOR PRODUCTS**

### Technical Specifications

Available Widths:	24-in, 30-in & 36-in
Available Lengths:	20-ft, 40-ft & 60-ft Fully Extended on 3-in centers. 24-ft, 48-ft & 72-ft Fully Extended on 5-in Centers. Collapsed Length Based on Roller Diameter and Centers (See Reference Chart Below)
Roller Diameter:	1.5" or 1.9"
Roller Casters:	6" Swivel Casters with Brakes
Power Requirements:	120V Single-Phase with NEMA L5-30 connection
Motor Control:	Zone Logix Pro 2.0 for Intelligent Zone Control
Belts:	Blue 85 High-Tension O-ring Belts (Optional: Eagle XLD Belts)
Belt Replacement:	Quick Change Design for Fast Minimal Skill Belt Replacement

### Reference Chart

Roller Diameter	Roller C/C	Zone Length	Rollers Per Zones	Compression Ratio
1.5"	3"	38.5"	13	1.7:1
1.5"	5"	42.5"	9	2.3:1
1.9"	3"	38.5"	13	1.6:1
1.9"	5"	42.5"	9	2.1:1

### Options

**Advanced Controls:** ProFlex control cards support advanced programming features that allow multiple modes of operation, real-time monitoring, remote management and seamless integration with other equipment for fully customizable and optimized conveyor performance

**Safety Circuit:** Enables integration with other equipment and supports multiple E-stops for enhanced operator safety and system control.

**Impact Cart:** Features powered polyurethane-sleeved rollers, a rigid frame, ergonomic pull handles and an integrated light kit. The sleeved rollers enhance durability and performance, while the light illuminates the inside of a trailer.

**Side Guards:** Factory-installed skatewheel side guards protect packages without restricting product flow.



### Connect & Integrate with RigidPro™

For flexible, extendable powered trailer load or unload, connect ProFlex to an Ashland RigidPro system. ProFlex's optional impact cart includes an adjustable, bright LED light to help illuminate the trailer interior.



1919 Cellar Drive • Ashland OH 44805  
419-281-1235 • AshlandConveyor.com