

# PALLET CONVEYOR SOLUTIONS



**I**ntelligrated®

## Intelligrated Transportation Pallet Conveyor

### Chain Driven Live Roller Conveyor

- Positive conveyance of a wide variety of loads
- Minimal maintenance requirements
- Easy integration with other types of pallet conveyor

Chain driven live roller conveyor (CDLR) is a positively-driven, heavy-duty live roller conveyor. Individual loops of chain connect rollers, providing a positive roll-to-roll drive configuration. The availability of various roller centers and drive mounts make CDLR the most commonly used product in the Intelligrated pallet conveyor portfolio.



### Multi-Strand Chain Conveyor

- Positive conveyance of a wide variety of loads
- Extended lengths are possible with a single drive
- Easy integration with other types of pallet conveyor

Multi-strand chain conveyor complements CDLR as a transportation conveyor. A variety of drive package mount arrangements, chain strands and chain centers accommodate a wide range of applications. Extra chain strands or internal filler roller options can be used to provide additional load support, if required.



### Palmat™ Conveyor

- Positive conveyance of fragile or unstable loads
- Long life belt is self-tracking
- Eliminates damage to plastic or molded pallets

Intelligrated Palmat conveyor utilizes heavy-duty modular plastic belting as the conveying surface. The self-tracking belt provides an alternative to rollers or chains for load transportation. The full width belt is fully supported and safely conveys molded or specialty pallets. Palmat is a superior product choice for transporting unstable or fragile unit loads.



## Intelligrated Accumulation Pallet Conveyor

### Pallet Accuglide™ Conveyor

- Economical, zoned accumulation conveyor
- Easy installation and start-up
- Low voltage, electronic zone activation

Pallet Accuglide is a multiple zone live roller conveyor that provides quiet, positive transportation and zero-pressure accumulation. An efficient roller chain and urethane driver pad is pneumatically raised to engage and power the carrier rollers. For accumulation, the drive chain support tracks are lowered and the drive is disengaged from the rollers. Integrated 24-volt photo-eye sensors and pneumatic modules provide dependable zone activation.



### Air Chain Conveyor

- Smooth and stable load handling
- Low or zero-pressure accumulation
- Minimal maintenance requirements

Air chain conveyor consists of two parallel lanes of rollers that support the load with a center strand of roller chain for load movement. The center chain runs on a support track that is raised and lowered with a heavy duty air bladder. The conveyor can be set up in zones for zero-pressure or continuous for low pressure accumulation.



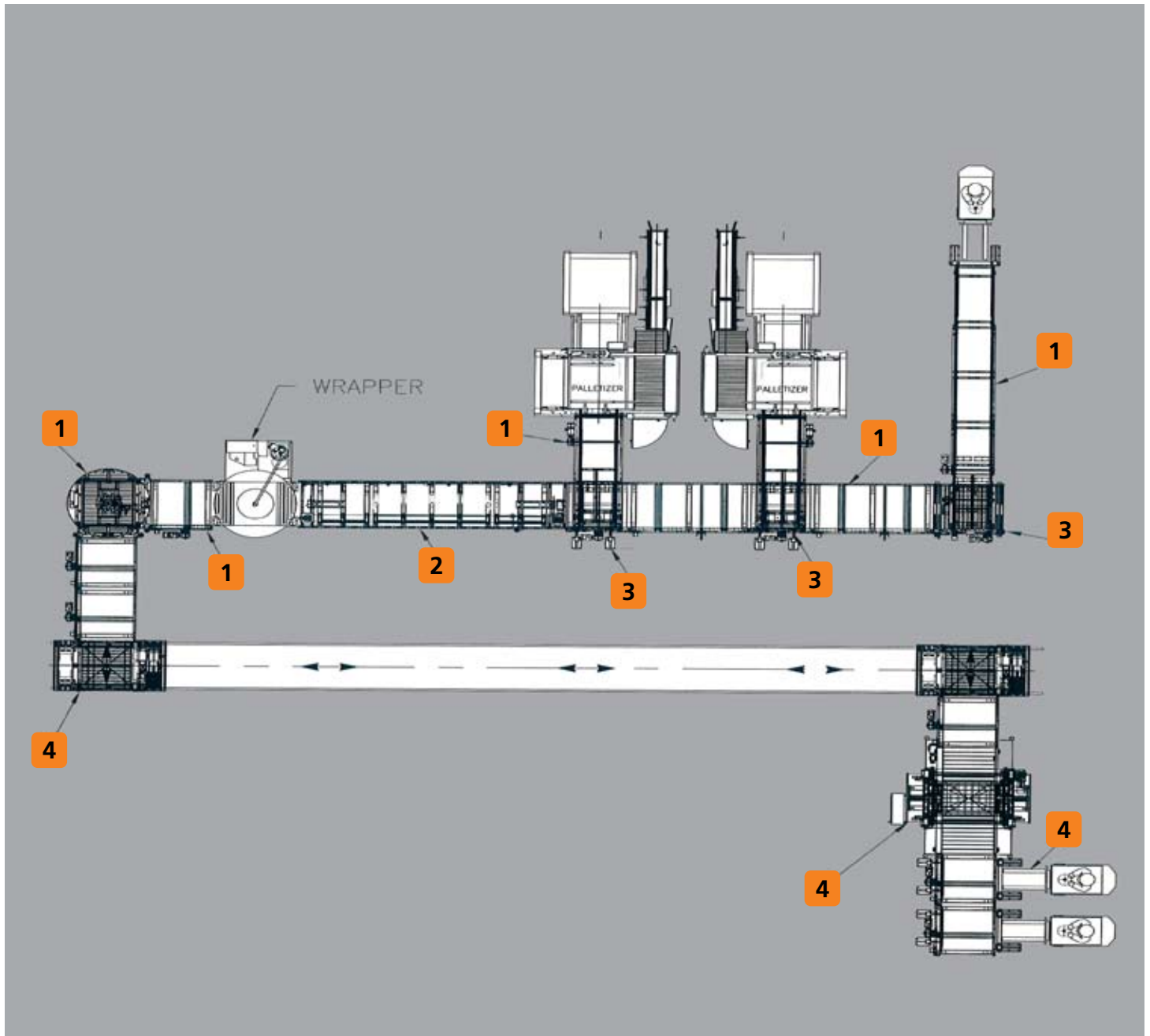
## Typical Use of Intelligrated Pallet Conveyor

1 Transportation Conveyor

2 Accumulation Conveyor

3 Turns/Transfer

4 Allied Products/Accessories



## Turns/Transfers



### Turntables

- Positive conveyance of a wide variety of loads
- Minimal maintenance requirements
- Smooth and reliable rotation
- Easy integration with other types of pallet conveyor

Turntables are used for rotating loads and ensure that load orientation remains the same relative to the direction of travel. An integrated CDLR bed provides positive movement of the load on and off the turntable. A motor driven, pinion and ring gear arrangement provides smooth, stable and reliable load rotation.



### Pivoting Chain Transfers

- Reduces the number of drives required in the system
- Minimal impact to load integrity during the transfer operation
- Fully integrated assembly reduces installation time

Pivoting chain transfers are a cost effective means to introduce loads from multiple lanes into a common trunk line. The bolted construction design allows for a smooth and consistent transfer motion. An extended length of pivoting chain conveyor interfaces with a fixed CDLR section and ships as a complete unit for easy installation.



### Right Angle Transfers

- Fully integrated assemblies reduce installation time
- Electric operated transfers are suitable for freezer applications
- Wide range of styles for specific applications

Right angle transfers are used to facilitate a 90 degree change in the direction of product flow. The load orientation does not remain the same relative to direction of travel. Transfer activation is accomplished with heavy-duty industrial air bags, air cylinders or motors. Lift types include scissors, wedge block or offset cam operations. The conveyor beds can be CDLR or chain conveyor, depending on the mating conveyor style.

## Allied Products/Accessories



- Transfer cars
- Load shuttles
- Pallet load stackers
- Lift and turn devices
- Pallet dispensers
- Slip sheet dispensers
- Pallet inspection stations
- Pick-up and delivery stations
- Squaring devices
- Sizing stations
- Fork truck/clamp interfaces
- Gates
- Pallet stops
- Side guides
- Photo-eye/reflector brackets
- Pallet jack interface

Allied equipment and accessories allow standard equipment to be tailored to meet specific load, space and operational requirements.

With solutions for both pallet and case handling, Intelligrated conveyors are built with performance, durability and reliability in mind to meet the transportation, accumulation, sortation and storage needs of virtually any manufacturing or distribution environment.



## Pallet Conveyor Solutions

### Flexible designs to meet your needs

Intelligrated offers a full line of standard pallet conveying equipment with a wide range of options, as well as customized designs to suit every application. Intelligrated has the experience and capability to provide stand-alone pallet conveyor equipment, or a fully integrated material handling system. The Intelligrated pallet conveyor product portfolio is suitable for a variety of applications, including:

- Palletizing/depalletizing systems
- Robotic cells
- Warehousing systems
- Bulk goods receiving
- Pallet dispensing
- Labeling and stretch wrapping
- Freezer and cold rooms
- Pallet inspection and repair
- Load transfer
- Load accumulation

Easy-to-use controls and software can interface with your host systems to provide operational data, diagnostic reports and dynamic responses to changes in product flow requirements.

Designed to handle a wide range of load configurations, including wooden or plastic pallets, footed pallets, containers, crates, drums, fixtures and slave pallets, as well as unit loads or slip-sheeted loads, Intelligrated pallet conveyor solutions provide 24X7 operation, with maximum uptime and minimal maintenance requirements. Our innovative, patented, bolted construction system and modular design ensures assemblies are robust, easy-to-install and integrate seamlessly with other pallet handling equipment.

## About Intelligrated

Intelligrated is a leading American-owned, single-point provider of automated material handling solutions with operations in the U.S., Canada and Mexico. Headquartered in Cincinnati, Intelligrated designs, manufactures and installs complete material handling automation solutions, including IntelliSort® line sortation systems, Crisplant® tilt-tray and cross-belt sortation systems, conveyor systems, Alvey® palletizers and robotics, Real Time Solutions® order fulfillment systems, warehouse control software and advanced machine controls—all supported by 24x7 Customer Service and Support.

Serving the warehousing, distribution, consumer product manufacturing, postal and parcel markets, Intelligrated collaborates closely with its clients to develop productivity solutions and responds to their needs throughout the life of their material handling systems.

## Intelligrated Products and Services

- Systems Integration
- Sortation Systems
- Conveyor Systems
- Palletizing Solutions
- Software & Controls
- Order Fulfillment Systems
- 24x7 Technical Support
- Design & Build

## Intelligrated Service & Support

The in-house Customer Service and Support (CSS) program offered by Intelligrated backs all of our products. Services available include:

- IN-24X7® technical support
- Replacement parts logistics
- Field service
- Equipment and system audits
- Upgrades and modifications
- Full service and maintenance contracts
- Preventive maintenance
- Customer training and documentation

CSS is available 24x7 to provide all of the services needed to keep your equipment running at peak efficiency. Whether it's on-site support or troubleshooting via our hotline, Intelligrated has the most comprehensive customer support program in the industry.

Service and Parts Hotline

Phone + 1 877.315.3400

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