# FIEXICY PALLET SYSTEMS

## FLEXIBLE CHAIN CONVEYORS WITH PALLETS FOR PRODUCT ROUTING AND CONTROL



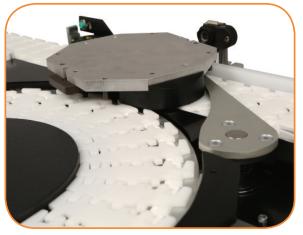
- Accurate positioning and routing
- Ideal for manual and automated assembly processes or inspection
- Components sold as kits to allow for easy design changes and layout flexibility
- Pallets sold as kits to allow fixturing or as completed assemblies

#### **Merge & Diverts**

- Multiple Kits styles
  - o Divert, Merge, and Merge and Divert
  - o Multiple configurations including 45°, 90° and Parallel
- Require pallet or puck stops to be used for product traffic control
- Designed for use with Pucks and Pallets with the Pin Tracking System
- Requires that the conveyor is equipped with guiding. Cutting and fitting of the guiding is required
- Pneumatic diverter. The gate arm location is below the Pin Tracking System, contacts the pallet base puck
- Pneumatic diverter position is adjustable in both positions
- Height of the divert arm is also adjustable

### Lift & Locate Station

- 105 mm (4 in) Conveyors
- ± 0.1 mm (0.004 in) accuracy
- 91 kg (200 lbs) holding force
- Includes 1 pallet stop (cushioned or non-cushioned)
- Includes sensor mounts
- · Sensors and pneumatic valves optional
- Max usable width = pallet width



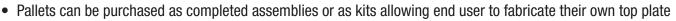
Diverts



Lift & Locate

#### **Pallets**

- 105 mm (4 in) Conveyor
  - o 190 mm (7.5 in) wide
  - o 100, 150, and 200 mm (4, 6, and 7.9 in) lengths
  - Max product load = 9 kg (20 lbs)
- Aluminum base plate [13 mm (1/2 in thick)]
  Thickness is dependent on load condition
- (2) Hardened steel location blocks
- Pin Tracking System
  - O Pins guide pallet along conveyor
  - Pallet guide only needed on outside of loop
  - O Pins provide accuracy at stop location



· Bumper material available to reduce noise and vibration in accumulated pallets



**Cushioned Pallet Stop** 

#### **Pallet Stops**

- Pneumatic Stop
- Available in Cushioned & Non-Cushioned Models
- Capable of back to back pacing
- Up to 45 kg (100 lbs) total per pallet stop @ 30 MPM (100 FPM)
- Lower speed increases load capacity
- Higher load options available
- Sensor brackets available either on the stop or as a stand alone part
- Optional stop position sensors available



Pallets