

# Pusher Transfer Device



Systec's Pusher Transfer Device (PTD) is an integral section of a conveyor line. The device can be equipped with a conveyor drive section, takeup section, midsection, or can be a gravity conveyor. The PTD can be set in the line so that it will push either to the right, or left. For special applications, the device can be modified to push loads in both right and left directions. Typically the load would be pushed to a perpendicular or parallel conveyor line. The PTD can be used with a Sheet Gripping Device (SGD) for transferring loads that need to be placed on a deck, or bottom dunnage sheets.

Systec's PTD is a very reliable and durable transfer mechanism. The heavy duty trolley assemblies are equipped with large diameter rollers for smooth movement and load transfer. Additionally, they are assembled with cam rollers for precise trolley tracking and movement.

The PTD can be used in Powered Accumulating Roller conveyor (PAR), Powered Roller Only conveyor (PRO), or in Gravity Roller Conveyor (GRC) applications. The PTD is sized based upon the conveyor line in which it is used. The device's head is also sized based upon the maximum size load it will be transferring.

The PTD is an all-welded, steel frame construction, using precision laser cut parts for exact fit and function. This is a very low maintenance device applying the most advanced safety designs and features.



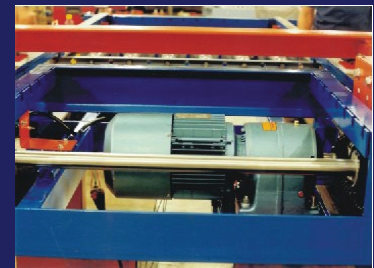
## OVERALL CONSTRUCTION

Systec's PTD features all - welded steel frame construction. Heavy gauge steels and precision cut laser parts ensure tighter tolerances resulting in longer life of components and the overall device.



## HEAD TROLLEY

Systec's PTD features an adjustable head for added clearance when needed for extra wide loads. Internal adjustments, such as chain tensioning are easily accomplished at the trolley head hook-up points



## DRIVE ASSEMBLY

Systec's PTD drive assembly is equipped with a common shaft, and dual drive chains. This assures even movement and pressure on the load being transferred.

## SPECIFICATIONS

|                        |  |
|------------------------|--|
| Between Frame Division | 48", 60", 72", 84", 96"  |
| Length (Head Length)   | 4'-0" - 8'-0" on 1'-0" increments                              |
| Top-of-Roller Height   | 12" T.O.R standard (Heights over 12" available)                |
| Conveyor Speeds        | Determined by conveyor drive section or internal drive package |
| Drive Capacity         | 3,500 lb/unit  |
| Head Speed             | 45 or 60 FPM   |
| Head Drive             | 1.5 HP Foot Mounted  |
| Air Requirement        | 55 PSI (for accumulating conveyor section)                     |

## CONSTRUCTION

|                          |   |
|--------------------------|---|
| Frame                    | All-welded steel construction                 |
| Head and Drive Mechanism | Heavy gauge steel head and trolley assemblies |
| Chain Drive              | Dual #60 chan                                 |

## CONTROL OPTIONS

|           |   |
|-----------|---|
| Automatic | Positioning controls with electro-mechanical sensor actuation |
| Manual    | Pushbutton operation  |

