

Chain Transfer Device



Systec's Chain Transfer Device (CTD) is a safe and efficient method of moving loads onto and/or off of a conveyor line.

The features of Systec's CTD allow it to sit within the conveyor line at various locations. It can be moved to nearly any location within the length of the conveyor line. It is totally independent of the conveyor in which it rests, and can be added to most other conveyor equipment manufacturer's lines. The CTD is capable of being added to either, Powered Accumulating Roller conveyor (PAR), Powered Roller Only conveyor (PRO), or Gravity Roller Conveyor (GRC). Additionally, the CTD's chain bars are fully adjustable on a 3" increment to meet any changes in production or configuration requirements.

Based on the application, through optional load controls, loads can enter or discharge the device. Within certain applications, the device can act as a one, two, three, or four way intersection.

As with all Systec conveyor and devices, the CTD chain bars are all-welded steel construction, using precision laser cut and machined 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 CTD features a fully guarded chain to all exposed areas. The small diameter, maintenance free sprockets minimize the distance between the feeding conveyor and the CTD itself, limiting load hangup.



ADJUSTABILITY

Systec's CTD chain bars are adjustable on 3" increments. The device can be installed at various locations within a conveyor line.



DRIVE ASSEMBLY

Systec's CTD drive is a direct shaft to drive sprocket assembly, and tucked neatly into the framework of the device - no chain and sprocket drive assembly.

SPECIFICATIONS

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|------------------------|---|
| Between Frame Division | 48", 60", 72", 84", 96" |
| Lengths | 4' - 13' on 1' increments |
| Top-of-Roller Height | 12" T.O.R. (heights over 12" available) |
| Drive Capacity | 3,500 lb/unit |
| Conveyor Speeds | 30, 40 or 60 FPM |
| Motor | Flange mounted, 3/4 HP, 230/460 Volt, 3-phase, 60 Hertz, standard |
| Air Requirement | 80 PSI |

CONSTRUCTION

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|-------------------|--|
| Chain Bar | Laser cut and welded steel construction |
| Bain Bar Mounting | Telespar tube, 1" adjustability (3" for rollers) |
| Chain Guide | Rivet mounted UHMW plastic chain rail |
| Chain | 60# heavy duty chain |
| Sprocket | 13 tooth with precision bearing insert (no bushings) |
| Shaft | 1" diameter idler and drive shaft |
| Bearing | 1" diameter, sealed-for-life, flange mount |

CONTROL OPTIONS

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|-----------------|---|
| Automatic | Positioning controls with electro-mechanical sensor actuation |
| Safety Controls | Automatic collision safety |
| Priority Entry | Automatic load entry from perpendicular conveyor |
| Manual | Pushbutton operation |

