



PASSIVE RIGHT-ANGLE TRANSFER

Systec's Passive Right-Angle Transfer or PRAT is designed to allow for instantaneous transitions of loads, all while maintaining orientation. It is an alternative to belt transfers and allows for more flexibility and load building capabilities, all while maintaining a smaller footprint than a traditional 90°-degree curve. Because this device uses a nonactivated roller belt, it has fewer moving parts and maintenance points than the competition.

The conveyor can be equipped with casters and quick disconnect plugs to allow access into the area. Speeds can be controlled through the variable frequency drive. The photo electric eyes are bolted to the outside of the side frames to sense product for accumulating controls. Product can be indexed to back fill the conveyor, maximizing accumulation without dumping product off the edges.



OVERALL CONSTRUCTION

Performance Line Passive Right-Angle Transfer (PRAT) device Layout, Design, and Manufacturing all occurs in our Indianapolis facility, using laser cut steel parts to build Solutions for your Material Handling needs.



CONTROLS

Systec's PRAT comes standard with 24V DC or 120OV AC field controls. The bundles can be indexed for maximum accumulation.



DRIVE ASSEMBLY

Systec's PRAT features a variable frequency drive (VFD). Speeds can range from 45FPM-180FPM depending on the application.

PASSIVE RIGHT-ANGLE TRANSFER

SPECIFICATIONS

| | |
|--------------------------|--|
| Between Frame Dimensions | 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84" |
| Lengths | Depends on maximum machine through dimension |
| Top-of-Belt Height | 24" T.O.B. To 72" T.O.B., With Adjustable legs |
| Drive Capacity | 50lb / Unit |
| Conveyor Speeds | 45-180 FPM Variable Frequency Drive Controls |

CONSTRUCTION

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|-----------------|---|
| Frame | Precision laser-cut parts with bolt together assembly |
| Belt | Flexible Plastic Mesh Belt |
| Drive Shaft | Plunge cut motor keyway |
| Leg Supports | Adjustable height with welded cross members |
| Portability | Optional casters for mobile applications |
| Safety Features | Guarding on all moving parts |

CONTROL OPTIONS

| | |
|-------------|---------------------------------------|
| Automatic | Pass through or indexing accumulation |
| Manual | Push button Jog controls |
| Portability | Quick disconnect buttons optional |

