

Load Rotation Device



Systec's Load Rotation Device (LRD) is a very effective method for automatically rotating loads in 90 degree increments.

The features of Systec's LRD are the dual lane, positive drive delivered to the load through the load carrying rollers, ensuring positive load movement from one end of the conveyor line to the other. The square and cross-bar head design provides full lift, support and stability as the load is raised and rotated. The high strength steel guides and nylon bushings keep all the lift head components aligned for accurate load placement. The heavy duty pneumatic actuators are positioned on the outer corners of the lift head mechanism to ensure equal lift and steady load movement while the load is being rotated. Even loads off-center are lifted and turned with a balanced and stable effort.

As with all Systec conveyor and devices, the LRD is an all welded steel 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. It is extremely friendly with pallets as well.



OVERALL CONSTRUCTION

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



LIFT MECHANISM

Systec's LRD lift mechanism is balanced on four corners for stable and equal lifting. The hardened steel guides keep all components on track with smooth raise and lower movement.



DRIVE ASSEMBLY

Systec's LRD drive assembly is equipped with a common shaft, dual drive train. This assures load movement with driven rollers throughout the device.

SPECIFICATIONS

Between Frame Dimensions	72", 84", 96"
Lengths	8', 10', 13', 14'
Top-of-Roller Height	12" T.O.R. Standard (heights over 12" available)
Drive Capacity	3,500 lb/unit
Head Speed	2 speed rotate
Conveyor Drive	1 HP flange mounted hollow bore
Head Rotate Drive	3/4 HP, foot mounted shaft
Air Requirement	80 PSI

CONSTRUCTION

Frame	All-welded steel construction
Load Rotate Head	Heavy gauge tube and bar steel, all welded construction, precision machined parts and bearings in rotate pedestal

CONTROL OPTIONS

Automatic	Positioning controls with electro-mechanical sensor Actuation
Manual	Pushbutton operation

