



LOAD ROTATION DEVICE

System's Load Rotation Device (LRD) is a very effective method for automatically rotating loads in 90-degree increments. The features of System'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 lift-head components aligned for accurate load

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. For pallet applications, a unique head and drive package has been developed to work with standard pallet configurations. Even loads off-center are lifted and turned with a balanced and stable effort. This is a low maintenance device applying the most advanced safety designs and features. It is extremely friendly with pallets as well.



OVERALL CONSTRUCTION

System'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

System'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

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

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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

