

NEXT GEN SHELVING FOR ROBUST OPERATIONS



**RACKS &
ROLLERS**
STORAGE TECHNOLOGIES AND AUTOMATION

LIVE SHELVING

Live Shelving, also known as Carton Flow or Bin Flow System, is a highly efficient order picking solution with a high-density storage capacity. Designed as a bed of rollers on a slanted platform, this system lets gravity do most of the work. The goods are loaded from one end of the rack, and they automatically slide to the other (picking) end of the rack under the influence of gravity rollers.

This system is ideal for warehouses that need automatic inventory rotation.

www.racksandrollers.com

Live Shelving allows great stock turnover as it follows First In First Out (FIFO) inventory principle which means that the products that are stored first will be the first ones to be picked up. Since the loading and unloading happens at two separate ends of the rack, there are literally no interruptions in the order picking operations. This helps in swift preparation of orders on both ends.

By eliminating the need of intermediate aisles, Carton Flow system becomes exceptionally compact and space efficient which helps in saving up on costly floor space. **Another remarkable feature of this storage system is that all references or SKUs are at the front end of the rack, which ultimately reduces the amount of time and errors in the order picking and hence makes this system a very efficient one.**

Apart from this, Live Shelving is super flexible and adaptable and can be assisted with conveyors and Put to Light/Pick to Light systems for even better order picking efficiency. Put to Light is an automated system that sets off a light on a screen to help the user know how many units are to be deposited in which rack. Pick to Light is a similar system that helps the user know how many units are to be picked up from which rack. These automated systems help speed up the order preparation process by eliminating the need of paperwork.

Assembly line operations, production feed lines, distribution centres, mass consumption products, pharmaceuticals and cosmetics prefer this system for boxes, cartons, totes and bins.

BEST SUITED FOR

Warehouses with wide SKUs that require fast stock rotation, for ex., warehouses with assembly lines & mass consumption products.

NOT RECOMMENDED FOR

Warehouses with heterogeneous goods or goods that require low turnover.

MAIN FEATURES

IN-BUILT ROTATION OF GOODS

It is designed primarily to incorporate fast rotation with shelving.

MITIGATED COSTS

Minimised need of high-end material handling equipment, eliminates unnecessary internal transport and saves costs.

DENSE STORAGE CAPACITY

Removal of aisle space between shelves makes the system extremely storage compact.

MINIMAL HUMAN LABOUR

Reduction in loading and unloading operation scales down the manpower necessary for operation.

VERSATILE

Easy to integrate in any type of storage solution.

CUSTOM DESIGN

Can be customised to suit any requirement, for example, storage, intermediate warehouse or dispatch area.

PROS

- Maximum use of space due to fewer aisles
- Fastest order picking
- Minimal errors in loading/unloading
- Minimises expenditure on floor space

CONS

- Higher initial cost
- Moving parts require Maintenance