ADDVERB

# Quadron

CARTON SHUTTLE

Quadron is our versatile shuttle that automates the storage and retrieval of dynamic tote/tray/carton sizes and shapes in a single racking system, optimising space and allowing flexibility. The shuttle-based storage system equipped with vertical lifts and specialised racking enables high throughput. It allows multi-deep storage thereby enabling you to store, buffer, and sequence the inventory to increase the productivity and storage density of your warehousing operation.

## Technical Specifications

### General Specifications

| | |
|---|---|
| Max Payload Capacity | 50 kg |
| Shuttle Dimensions | 1220 x 900 x 245 mm |
| Extension | 1342 mm |
| Carton/Tote Dimensions | Min: 150 x 150 mm |
| | Max: 800 x 650 mm (Customisable) |
| Operating Temperatures | +5 to +45 degrees C |




### Speed and performance

| | |
|---|---|
| Loaded/Empty Speed | 4 m/s |
| Position Accuracy | ±3 mm |

# Technical Specifications

## Communication

| | |
|---|---|
| Communication Mode | WiFi (2.5 GHZ, 5 GHz) |

## Accessories

| | |
|---|---|
| Vertical Lift | To transfer cartons/totes to multiple levels |
| Buffer Conveyors, Shelving, Racking | |

## Safety

| | |
|---|---|
| Limit switches | Yes |
| Safety door interlock | Yes |



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## Key Benefits:

- Quick movement of payload along the vertical lift and transfer conveyor ensures high throughput.
- Streamlines storage, order sequencing, and picking for increased productivity.
- Fully autonomous system enables rapid execution of orders.
- Quadron shelving system can go up to 20* metres and is easily scalable by adding more aisles or Quadrons.

FEATURES

### Operating Speed

Quadron offers a carrying speed of 4 m/s, enabling fast picking.

### Payload

It can perform storage and retrieval of totes/cartons with a maximum payload of 50 kg.

### Dynamic Payload Sizes

It can store and retrieve dynamic payload types like cartons, trays, totes, crates of various sizes ranging from 150 x 150 mm to 800 x 650 mm.

### Swift Integration

Quadron swiftly integrates with any existing WMS/WCS, vertical lifts, conveyors & picking stations.

### Advance Analytics

The system provides advanced analytics daily for better asset utilisation.

### Operating Time

Quadron operates on AC power, which allows continuous operation without any downtime.

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