Addverb's dynamic shuttle system, Medius, performs automated storage and retrieval of totes and crates, maximising space and allowing up to 20* m high double-deep storage. Medius combined with a Goods-to-Person picking station enables an agile and ergonomic order fulfilment process.

## Technical Specifications
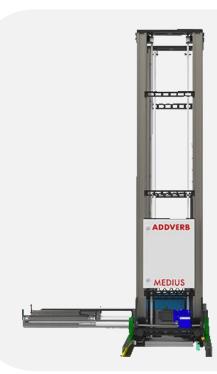
### General Specifications

| | |
|---|---|
| Payload Capacity | 30 kg |
| Shuttle Dimensions | 1568 x 934 x 3800 mm |
| Gripper Extension | 1342 mm |
| Tote Dimensions (LxWxH) | 600 x 400 mm |
| Supported Range | 150-800 x 350-400 mm |

### Communication & Integration

| | |
|---|---|
| Wi-Fi | (2.5 GHz, 5 GHz) |
| Barcode Based Navigation | |

# ADDVERB

## Technical Specifications

### Speed and performance

| | |
|---|---|
| Loaded/Unloaded speed | 3.1 m/s |
| Retrieval Cycle for Single Deep | 6-7 s |
| Retrieval Cycle for Double Deep | 12-13 s |
| Position Accuracy | ±2 mm |
| Travel Positioning Accuracy | ±2 mm through barcode/positioning system |
| Hoisting Positioning Accuracy | ±2 mm through Encoder/Sensor positioning system |

### Safety

Over travel protection using limit switches

Fencing with safety doors

# Technical Specifications

## Accessories

Vertical Lift                                    To transfer cartons/totes to multiple levels

Buffer Conveyors, Shelving, Racking

## Key Benefits:

- Swift movement along with transfer conveyor ensures quick turnaround cycles.

- The storage shelving system can go up to 20* m (customisable) and is easily scalable by adding more aisles and Medius.

- Medius shelving system allows storage of up to 36 totes/sq. m.

- Fully autonomous system resulting in 24/7 fulfilment.

- Automatic braking system to ensure safe operations.

**FEATURES**

### Operating Speed

Medius offers a carrying speed of 3.1 m/s in the travelling direction and 0.5 m/s in hoisting direction.

### Storage Depth

Adept for single and double deep storage and retrieval.

### Advance Analytics

The system provides advanced analytics on a regular basis for smart insights.

### Operating Time

Runs on a continuous AC power supply for uninterrupted processes.

### Swift Integration

Medius swiftly integrates with any existing WES, WMS, conveyors, and picking stations.