

Grid



## Our Lightest, Most Scalable Grid for Unmatched Cubic Storage Capacity and System Efficiency.

Customer demand, efficient space utilization, rising real estate costs, inventory security, and insurance premiums. All are key factors in selecting a cost-effective storage solution that scales with any fulfillment operation.

Our tall grid yields 33% more vertical storage capacity per floor than the leading alternative cubic ASRS. Stackable to 21 bins high (7.6m) in a 12m warehouse, you can maximize your vertical space to store more inventory (within different temperature zones), and reduce (or better leverage) your footprint and fixed costs.

Its modular construction means it can quickly and easily be installed into almost any greenfield or brownfield facility, of any size or shape; even on multiple stories or in seismic regions, with bin lifts able to connect the grid across floors.

A unique double-track layout supports our patented single-cell robot design to maximise routing efficiency and productivity. The new, ultra-lightweight robot frame allows for a lower-cost grid design and minimizes long-term structural wear and tear.

Bin containment within the grid provides outstanding security - key for high-value or hazardous items. In conjunction with our new metal bins, our grid offers a revolutionary new global standard on fire risk containment—improving storage density and lowering infrastructure and insurance costs.

The grid sits at the heart of the Ocado Storage and Retrieval System (OSRS). It's a light, flexible, modular structure, assembled in as little as two weeks and designed to maximize and secure your inventory storage within densely stacked bins.

### Key Features

#### SUPREME SPACE UTILIZATION:

Best-in-class vertical density to maximize inventory storage and reduce (or better leverage) your footprint and fixed costs

#### CONFIGURABLE AND EXPANDABLE:

Fits to any size or shape of building (e.g. around diagonal walls or pillars, or on multi-levels) and easily expanded

#### UNIQUE DOUBLE TRACK LAYOUT:

Supports our patented single-cell footprint robot to facilitate best-in-class routing and system productivity

#### LIGHT BUT STRONG:

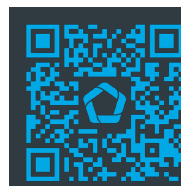
Easy construction with fully seismic-compliant option

#### LEADING FIRE RISK CONTAINMENT:

FM Global-accredited metal bins proven to maximise fire containment and reduce risk of loss by up to 99.4%

#### BEST-IN-CLASS SAFETY:

Advanced grid safety features incorporated for operator protection

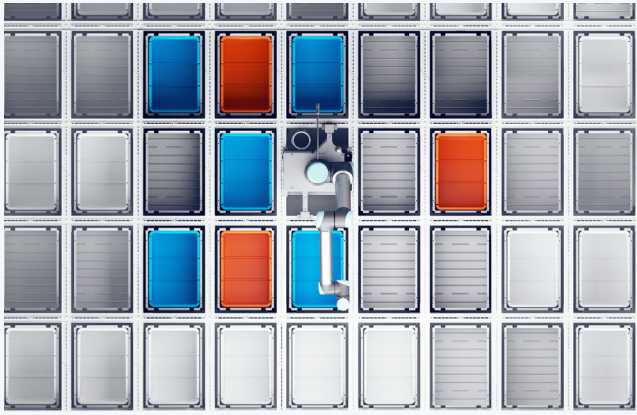


Talk to An OIA Expert >

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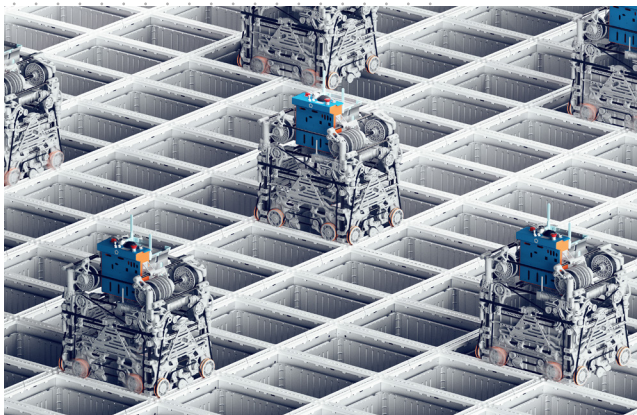
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v1.1



## OSRS GRID:

Our New Lighter-Weight  
Grid Can Be Assembled In  
As Little As 2 Weeks



## Technical Specifications

### GRID DIMENSIONS:

**Grid units:** Multiples of 2 cells (X) by 2 cells (Y)

**Available heights:** 21, 16, 12, 10, 8, 4, 3 or 1 bins (up to 7.6m high) *Note: grids can be on multiple stories*

### PHYSICAL DATA:

**MHE Operation Environment:** -10C to +50C

**Materials:** Steel frame; Plastic track

### ASSEMBLY REQUIREMENTS:

**Floor type:** Concrete to TR34 FM2

**Levelness:** +/-15mm

**Key tools:** Concrete drill, impact wrenches, lifting equipment, working at height equipment

### COMPLIANCE:

**Seismic option:** North America, Europe, Asia

### KEY COMPONENTS:

#### Operation:

- Track
- Bin Guides

#### Structure:

- Track Support
- Frames
- Bin Support Platform

#### Safety:

- Perimeter barrier
- On-Grid barrier
- Install boards
- In-Grid edge protection
- Peripheral cover plate

## Key Statistics



# 33%

More vertical storage capacity than  
the leading alternative cubic ASRS

Visit [ocado-ia.com](https://ocado-ia.com) for additional information and to talk to an expert

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