



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 33-51% 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 minimises 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 maximise 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:

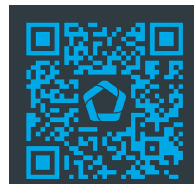
Easy construction with fully seismic-compliant option

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:

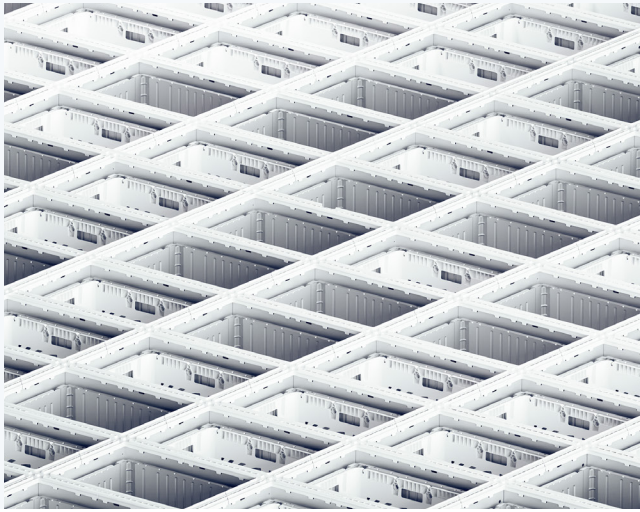
Advanced grid safety features incorporated for operator protection



Talk to An OIA Expert >

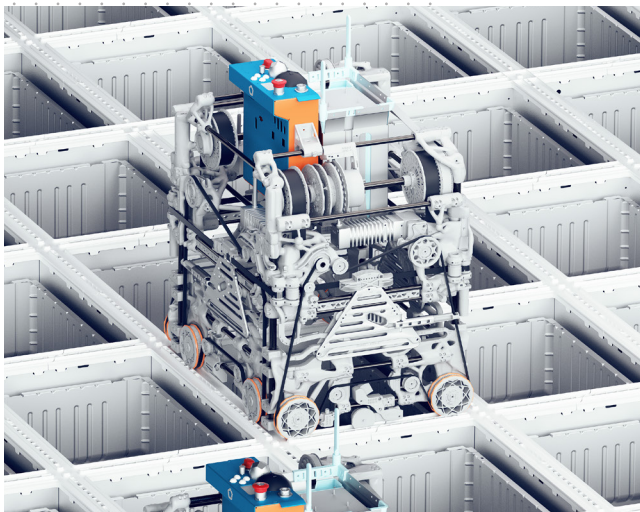
Visit ocado-ia.com for additional information and to talk to an expert

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GRID MK3:

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



60%

Faster Construction
Over Previous Grid

33-51%

More vertical storage capacity
than the leading alternative
cubic ASRS

Visit ocado-ia.com for additional information and to talk to an expert

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