

Technical Specifications

Product name	Multi-Temperature Solution
Region	Global
Manufacturer	AutoStore AS
Grid Type	DDG
Max goods Load in Bin	28Kg
Max. Operating Altitude	2000m
Robot Requirements	R5 Robots
Bin Stack Heights	With embedded insulated floor: 13 stacks tall With slab insulation (non-embedded): 12 stacks tall Bin Spacers must be placed in the Frozen and Chilled Grid area
Number of Bins	=> 12/13 Bins per cell (50% required)
Bin Spacers	Must be placed in the Frozen and Chilled Grid areas. Small metal support structures that carry a stack of Bins and creates an air gap between the floor and the Bins. Provides improved air circulation in the Grid.
Module Cell Size	MTS: Fixed Grid Footprint: 19 (X-narrow) by 8 (Y-wide cells) Frozen-Only: Fixed Grid Footprint: 19 (X-narrow) by 8 (Y-wide cells), with 19 x 6 cells available for storage
Storage Temperature	MTS: 1°C to 6°C Frozen-Only: -25°C to -18°C
Frozen Module	Freezing chamber and the frozen Grid. It can be placed anywhere within the chilled Grid but requires a Grid-wide edge to support attaching the freezing chamber, in addition to ground level access to the door.
Freezing Temperature	Houses the HVAC equipment necessary to maintain the freezing temperatures in the frozen Grid.
Air Diffusers	Specially designed vents, or air diffusers, are used to make sure we can distribute and control air streams into the Grid. The reason for this is that we need to make sure that the robots can operate in a controlled environment on the top of the frozen section in the solution: -25 C. Warm Air: +8 C
Grid Brackets	Metallic U-Profile components, which join adjacent Frozen Modules. A Grid Bracket is needed to support Grid columns between insulation walls.
Special Design Notes	MTS: No Ports in the Freezer Module No Service area in or directly adjacent to Frozen Module cell Frozen-Only: Several identical standard Frozen Modules can be installed if more storage capacity is needed