

AGV / AMR Racking System

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Jiangsu JISE Intelligent Storage Equipment Co., Ltd.

Racking engineered for robot operation — from light AGV shelving for goods-to-person picking to fleet-scale AMR tote racking. Frames are manufactured to the robot OEM's interface drawings with batch consistency across thousands of units, so every robot in the fleet meets the same shelf at the same height. JISE has delivered more than 2 million tote locations for overseas projects of leading global integrators.

System composition

Frame	Uprights, beams, shelves and base plates (bolt-adjustable); corner-guard and floor-fixing options
Robot interface	Shelf heights, pick-face tolerances and station geometry to the integrator's interface drawings (NDA-protected)
Manufacture	White-label OEM, direct project supply, or frame-only supply ex-works/FOB
Installation	JISE overseas crews; install supervision for frame-only supply

Racking specification

System types	Light AGV shelving · AMR tote racking (goods-to-person) · pod / mobile-shelving frames
Unit load	Light shelving ≈50 kg per level; tote and pod racking engineered per project
Level adjustment	50 / 75 mm pitch, tool-free repositioning; levels can be added or removed
Steel	Baosteel feedstock, cold-roll-formed profiles; grade selected per project calculation
Surface finish	Electrostatic powder coating 60–80 μm, adhesion GB/T 9286 Grade 0, salt spray >500 h
Batch consistency	Frame-to-frame dimensional consistency held across full production lots of thousands of frames
Design codes	FEM 10.2.02 / EN 15512 design basis; project verification and FEA documentation

Why integrators source from JISE

Scale proof	2,000,000+ tote locations delivered for overseas AMR projects
Single accountability	One factory for steel, coating, packing and installation — no broker stack
Documentation	Material certificates, coating reports and project FEA issued per shipment

Typical applications

- E-commerce fulfilment
- Electronics
- Pharmaceutical
- 3PL
- Military & aerospace stores
- Apparel

Reference installations

Poland — P3 project 890,000+ tote locations, goods-to-person	Poland — LPP project 670,000+ tote locations
Korea rollout 450,000+ tote locations	UK & Australia 220,000 + 140,000 tote locations

Unit loads, bay loads, beam sections and lane geometry are calculated per project and certified in project documentation — JISE does not publish generic load tables. Values above describe the delivered-system envelope, not a quotation.