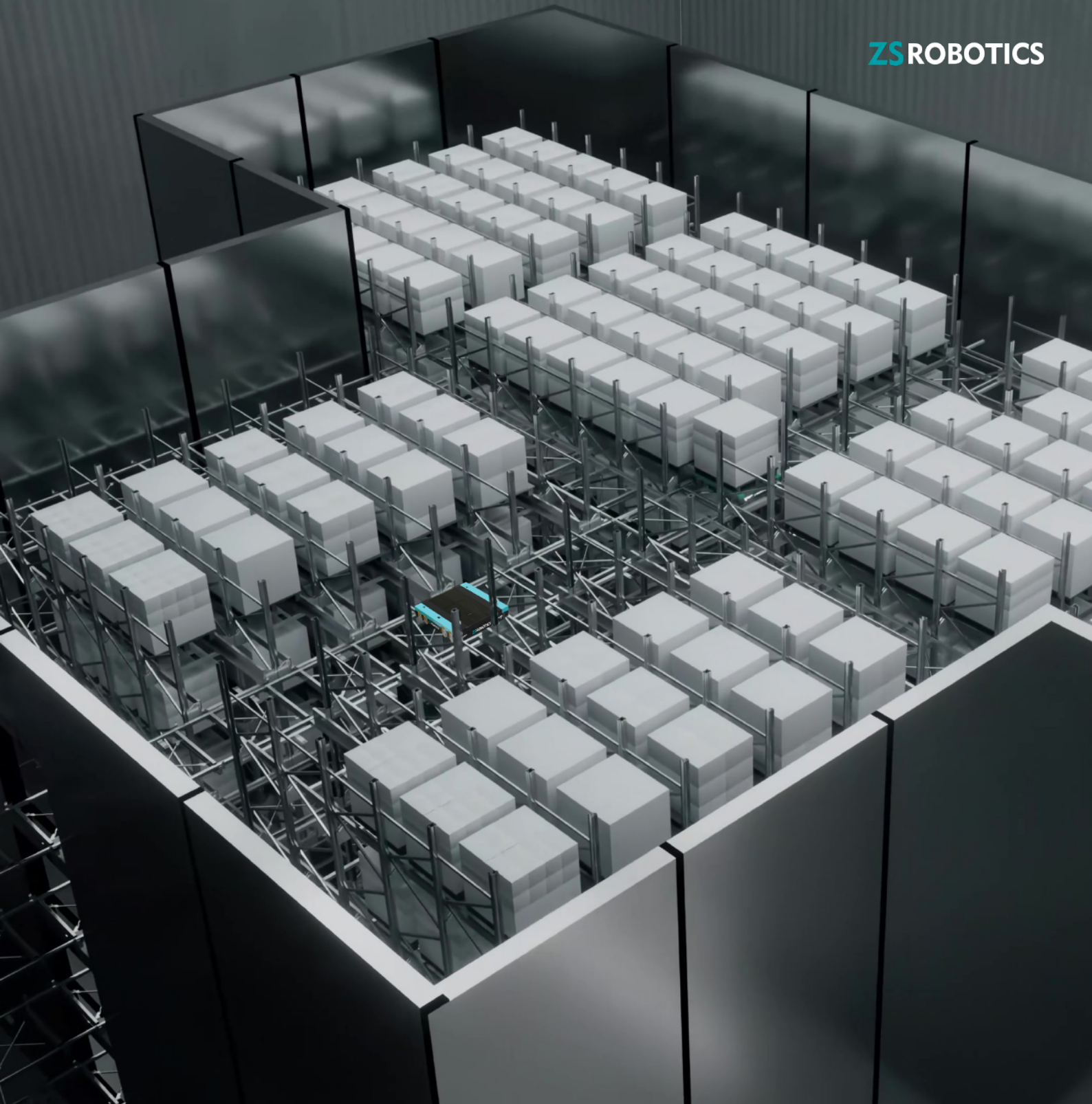




COLD STORE SOLUTION

ZS Robotics Pallet AS/RS Solution for Cold Store gives you absolute control over factors which define the success of your whole operation whether it's ultra dense storage, boosted energy efficiency, labor force safety, or proactive expiry control.

Our tested cold store automation solution offers the best-in-class stability, accuracy and efficiency. Efficiency and risk factor control are embedded in the design of every critical process of your warehouse upgrading from inbound receiving to outbound to not only maximize your throughput but also transform vulnerability to competitiveness.

From Order
to Go Alive
in **90 Days!**

Payload Customizable
Up to 2.5 t

Maximized Storage
By 30% - 400%

Prolonged Uptime
6 - 10 h

Best-In-Class Stability & Efficiency



Positioning + Reversal
in 5s



Failure Rate
< 0.01%



Opportunity Charge
1 - 2 hours



Temperature Adaptability
down to -25°C



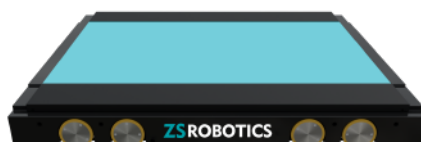
Energy Save
50%



Multi-tier Safeguard

Specification		ZS-H150C	ZS-L2000C
Basic Parameters	Dimensions	1076*940*150 mm	1090*980*150mm
	Applicable Pallet	1100 ≤ W ≤ 1500 mm 1000 ≤ D ≤ 1300 mm	1200 ≤ W ≤ 1500 mm 1000 ≤ W ≤ 1300 mm
	Weight	350 kg	375 kg
	Rated Load	1500 kg	2000 kg
Performance Parameters	Operating Speed	1.5 - 2.0 m/s	0.8 - 1.0 m/s
	Reversal Time	2.5 s	2.5 s
	Accuracy of Positioning	±2 mm	±2 mm
Battery Parameters	Battery Capacity	40 AH/50 AH	40 AH/50 AH
	Charge Time	1 - 2 h	1 - 2 h
	Battery Type	Lithium Iron Phosphate	Lithium Iron Phosphate
	Battery Life	6 - 8 h/8 - 10 h	6 - 8 h/8 - 10 h
Environmental Parameters	Applicable Temperature	-25 °C to 0 °C	-25°C to 0°C

Or Customize Your Fleet Now



Use Cases

Solution

 : Four-way shuttle robot * 5, lifter * 3

 : 1000 kg

 : W1200 * D1000 * H1625 mm

 : 4 shelves(9 m)

Highlights

- Multi-zone coordination
- Operation temperature: -18°C to -22°C
- High-density capacity: 4500+ storage locations



Solution

 : Four-way shuttle robot * 12, lifter * 8

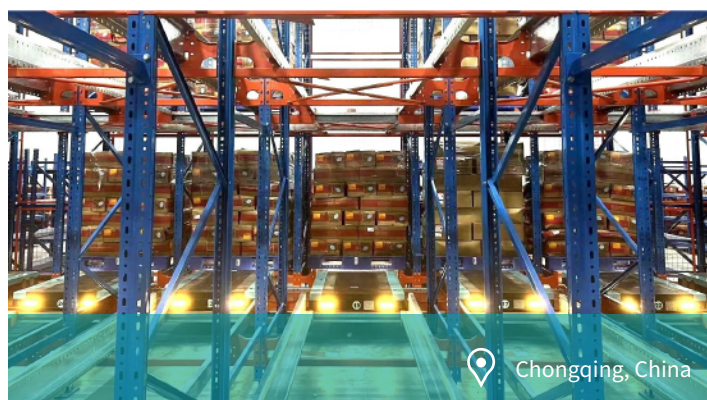
 : 1500 kg

 : W1200 * D1000 * H1550 mm

 : 3 shelves(6.5 m)

Highlights

- Refrigerated warehouse(-18°C)
- Uptime of 6 - 8 hours at low temperature
- Cross-floor scheduling to meet fluctuating demands on goods receiving and delivery
- High-density capacity: 10000+ storage locations



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