

Geek+ Four-way Shuttle Solution

High Throughput

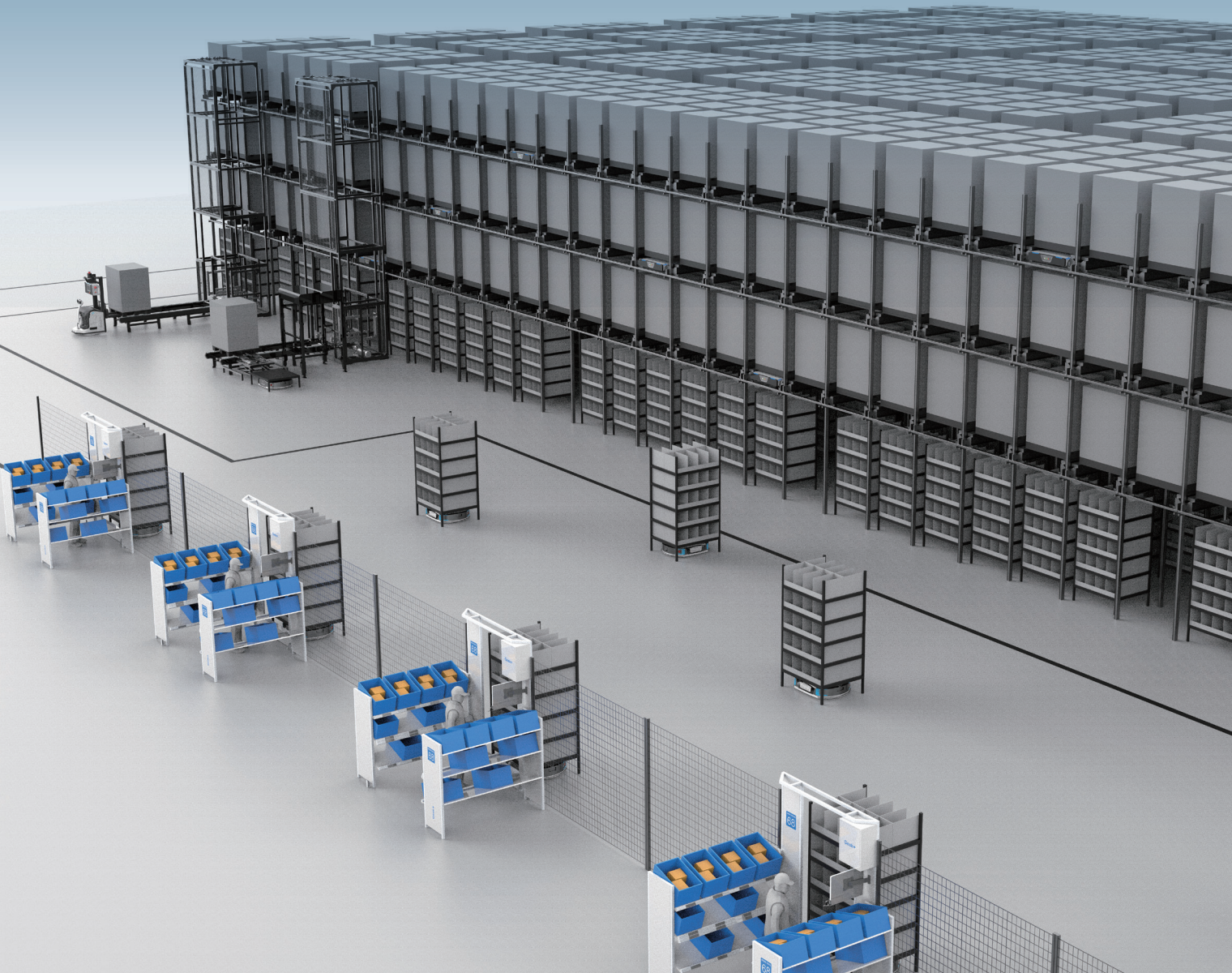
- Support pallets, cargo, and single item outbound orders
- Enhance throughput with integrated high-density storage & ground-level picking

High-Density Storage

- Maximize height and space utilization
- Storage capacity is 5x higher than traditional picking solutions

One-stop Integrated Solution

- Integrate WES system with RMS cluster scheduling for smooth operations
- Combine with Geek+ picking solutions to optimize efficiency



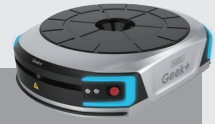
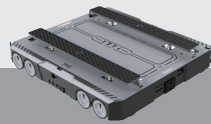
GEEK+ Four-way shuttle solution is an innovative, multilevel storage and retrieval system integrated with upper-level storage and ground-level picking technology. The new solution augments warehouse throughput, storage capacity, and operational flexibility with optimal cost-effectiveness.

Applications: B2B and B2C situations that demand high picking efficiency and storage capacity require working with whole pallets, original containers, and picking of small, medium, and large items.

Applicable Industries: manufacturing, retail, 3PL, FMCG, pharmaceuticals, cold chain, etc.

X1200

X-series robots work within the racks, running on a track to complete inbound/outbound tasks. Its narrow body design saves up to 60% aisle space compared to a traditional forklift.



Model	X1200	P800R V5.1
Dimensions	1090*1030*160mm	1090*830*275mm
Power Supply	Battery	Battery
Rated Load	1000kg	1000kg
Payload Size	1200*1000*1800mm	1020*1220*2800mm
Driving Mode	Motor	Two-wheel differential drive
Speed	1.5m/s unloaded, 1.2m/s loaded	2m/s unloaded, 1.6m/s loaded
Acceleration	0.3m/s ²	1m/s ²
Positional Accuracy	±2mm	< ±10mm
Run Time	Charging for 10 minutes, working for 2~3 hours	8h
Battery Life	≥2000 cycles	≥2000 cycles
Security	Laser obstacle avoidance, goods inspection, derailment prevention, etc.	Infrared obstacle avoidance, Support for lidar
Braking Mode	Off-current braking (servo)	Drive motor braking
Control Mode	Automatic control, manual control	Automatic control, manual control
Navigation	RFID+ location pieces	QR code
Working Temperature	0~45°C	-10~45°C

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