SMART WAREHOUSE AUTOMATION & RETRIEVAL SYSTEMS

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2 Way Radio Shuttle

Loading capacity: 1500kg - 2000kg







Smart Warehouse Automation Systems







Automated Guided Vehicle (AGV)



Integration Option





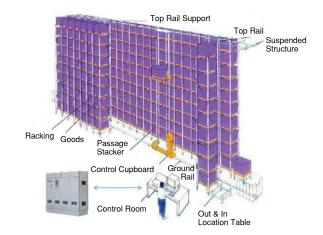




Automated Storage & Retrieval System (ASRS)







TTF AS/RS System consists of assembly racking and welding racking. Complimented by passage stackers, conveyor system and computer control system, it guarantees the fullest space utilization, handling mechanization and storage management modernization.

TTF GLOBL PTR 킕



Planning Stage

Custom design for warehouse layout and spacing optimization blueprint by site visits and technical discussions.

Designing Stage

ASRS components technical selection by engineers in engineering division to meet customer requirements.

Manufacturing Stage

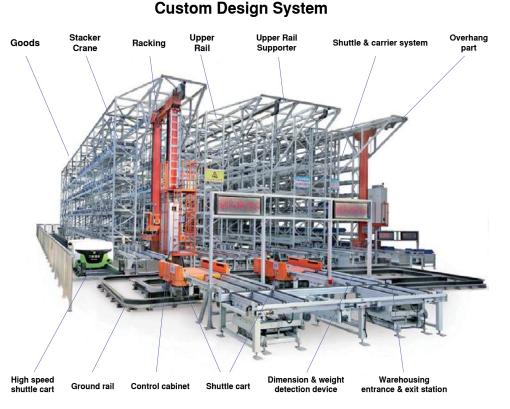
Manufacturing of selected components according to configured mode and design drawings.

Installation Stage

Assemble, install & debug of mechanical structure and electrical control system at customer site.

After Sales Stage

Technical support / services at site and remote online maintenance by professional engineers at your requests.



ASRS Concept Structure

- Beams/ Bracket type racking with high steel quality for whole assembly structure.
- Steel pallet to load goods with strong loading capacity and better rigidity.
- Main components of racking being manufactured in high precision production.
- > Installation done by certified engineers and technicians at site.

ASRS Benefit Highlights

- High storage density degree vs space.
- Increased variety of goods stored.
- Micro warehouse cells stock check.
- Maximum store space utilization.
- High rise warehouse structure.
- Minimum land space utilization.
- High automatic operational speed.
- Minimum manual stock handling tasks.
- Minimum stock damages and losses.
- Application for Industry 4.0 implementation.
- Interface syncing with mainframe ERP / SAP.
- Auto database logs and ISO reporting formats.
- Real time inventory management.
- Increased inventory stock accuracy.
- \checkmark Increased warehouse overall efficiency.
- Short ROI period of approximately 2 to 3 years.
- High rate of increased operation efficiency.
- Skilled workers development via technology.