WORLD RACK

# INTRODUCTION OF RADIO SHUTTLE RACKING


WORLD RACK
INTELLIGENCE STORAGE EQUIPMENT CO., LTD.

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# RADIO SHUTTLE RACKING

## INTRODUCTION

The entire high-density shuttle racking system is composed of racking, shuttles, and forklifts.

Forklifts are used to help loading and unloading on the end of racking aisles. This kind of dense and efficient storage mode brings new choices for improving warehouse space utilization rate.

WR possesses ISO9001 and CE safety certification, devoting to the design, research, and development of shuttle racking system.


Radio shuttle car III

# RADIO SHUTTLE RACKING

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## High usage of floor space

01

Obtaining higher storage space per unit area, reducing ineffective
spaces such as forklift aisles, and significantly improving warehouse utilization rate.

## High efficiency in operation

02

The access efficiency is several times higher than traditional racking, especially suitable for storing products with large quantity but less SKUs.

## Reduced labor cost

03

Automation can effectively reduce the workload of warehouse
personnel, further lowering maintenance cost.

**6**

**FEATURES AND ADVANTAGES**

## Portable battery

04

Battery of the shuttle is portable and rechargeable,
and it won't be affected by the central power supply.

## Improved safety, less damage

05

Loads are handled in a safer way during daily loading
and unloading, which helps to reduce damage during
operation.

## Environmental-friendly lithium battery

06

Our lithium battery is environmental-friendly, with
strong durability.

# RADIO SHUTTLE RACKING

## RADIO SHUTTLE RACKING VS PALLET RACKING

Improve 60%~80% warehouse utilization rate

Highly efficient operation, FIFO/LIFO

Improve warehouse efficiency and reduce labor cost

Change shuttle quantity to meet difference throughput requirements



## RADIO SHUTTLE RACKING APPLICATION SCENARIO:

Intensive product storage

semi-finished product storage

raw material storage

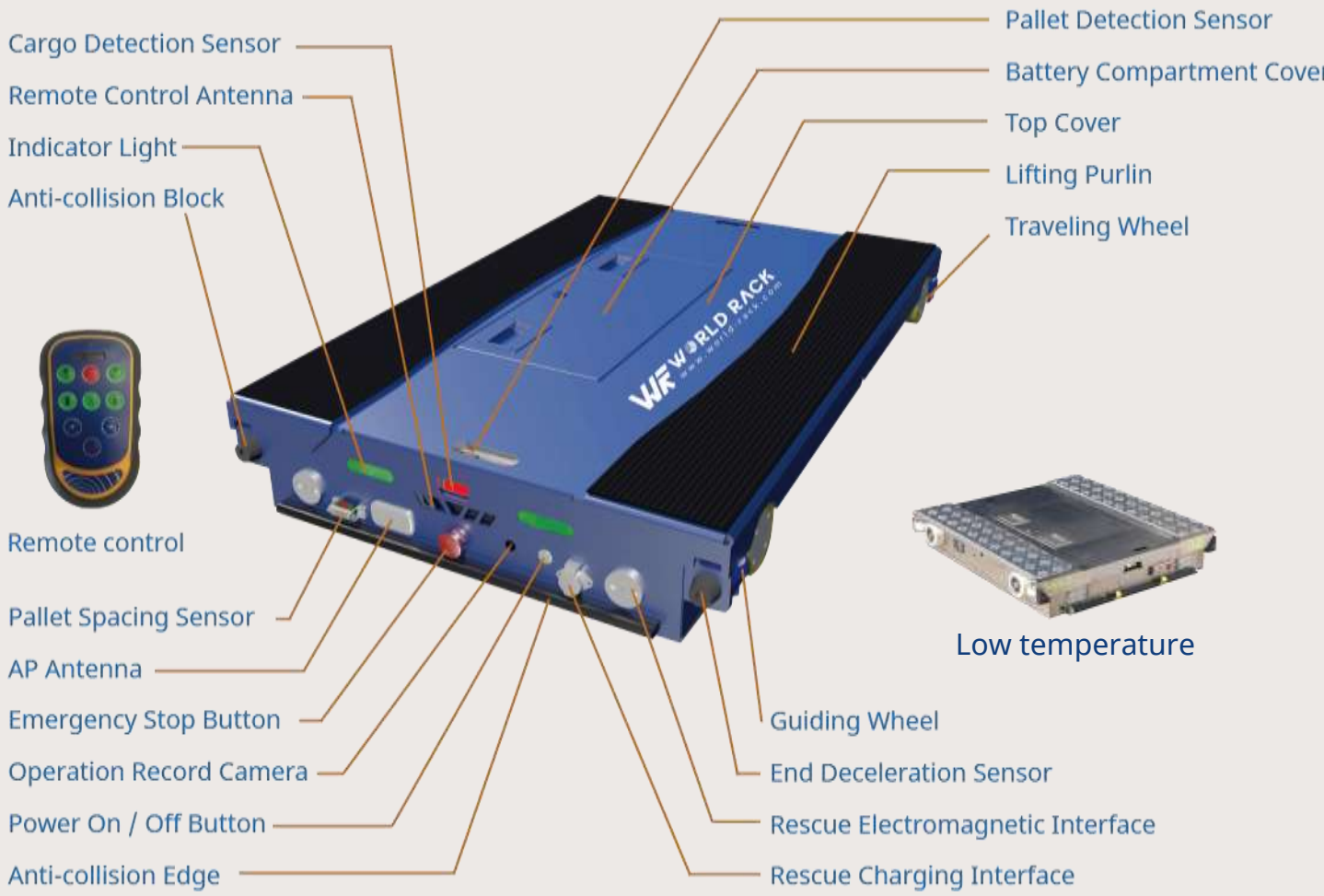
Fresh/frozen storage

Chemical raw material storage

Third party logistics warehouse

# RADIO SHUTTLE RACKING

| Performance Name | Performance Parameter |
|---|---|
| RATED LOAD | 1.8T |
| WORK TEMP | -25℃~+40℃ |
| SPEED OF EMPTY LOAD | 1.4-1.5m/s |
| SPEED OF FULL LOAD | 0.9-1.0m/s |
| LIFING STYLE | Eccentric Cam |
| LIFTING HEIGHT | 40mm |
| WEIGHT OF VEHICLE | ≈260Kg |
| NOISE | ≤60dB |
| BATTERY TYPE | Lithium Battery |
| BATTERY CAPACITY | 48V40AH |
| BATTERY LIFE | 6~8H |
| CHARGING TIME | ≤3H |
| CHARGING VOLTAGE | 180-260AC |
| CHARGING POWER | 1200W |
| CONTROL STYLE | Remote Control/Wi-Fi |
| RADIO FREQUENCY | 400-470MHz |
| CONTROL DISTANCE | ≈50m |



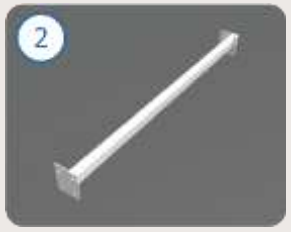
# RADIO SHUTTLE RACKING

| | |
|---|---|
| **BASIC FUNCTION** | Storage (per time) |
| | Continuous Automatic Pickup (per time) |
| | Automatic Pickup of Specified Quantity |
| | A/B Side Switching |
| | Goods-moving Function |
| | Manual Operation (moving, lifting, etc.) |
| | Battery Level Display |
| | Low Battery Alarm & Automatic Return |
| | One to Many Remote Control |
| | Pallet Stocktaking |
| | Aisle Recognition |
| | Remote Control/ Wi-Fi Compatible Device |
| | Automatic Charging |
| **SAFETY FUNCTION** | Forklift Assisted Positioning |
| | High Position Self-locking |
| | Collision Prevention & Safety bumper |
| | User Permission Settings |
| | Emergency Stop Button |
| | Built-in Positioning |
| | Tilt Detection and Fall Prevention |
| | Shuttle Camera |
| | End Anti-collision Laser |
| **MAINTENANCE FUNCTION** | Fault Code Display |
| | Maintenance Prompt |
| | Mileage Count |
| | Fault Rescue |

The core electrical components are selected from international first-line brands or domestic high-quality brands, which ensures a more stable performance and longer service life of our shuttle!

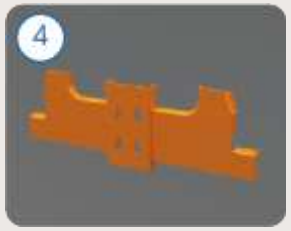
# RADIO SHUTTLE RACKING

Rails



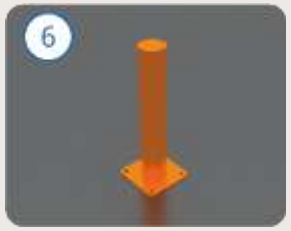
Row spacer

Corss bracing



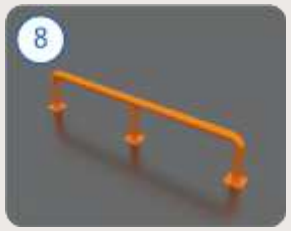
Bracket protector

Guider for pallet

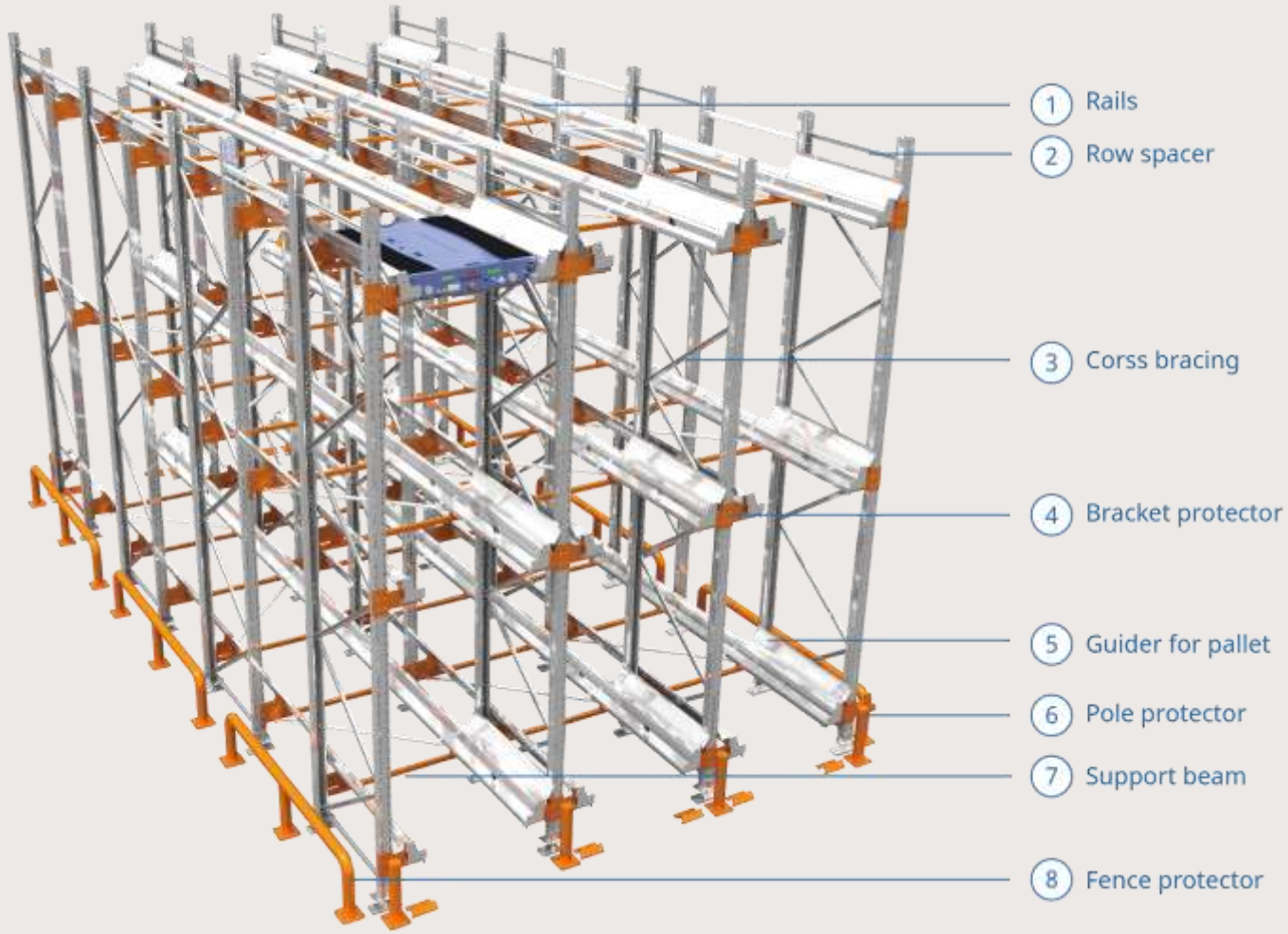


Pole protector

Support beam



Fence protector



# RADIO SHUTTLE RACKING

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## OUR CUSTOMER

雀巢 Nestlé
康師傅
统一企业
luckin coffee
Coca-Cola 可口可乐
PEPSICO
Budweiser
Carlsberg 嘉士伯
BAYER
Cargill 嘉吉
IKEA
INVISTA
BASF We create chemistry
WACKER
LANXESS 朗盛
KUMHO-SUNNY 锦湖日丽


# The End

Thank you for listening.

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