



# Integrated Solutions of Intelligent Sorting

Logistics Equipment as a Support for Modern Logistics

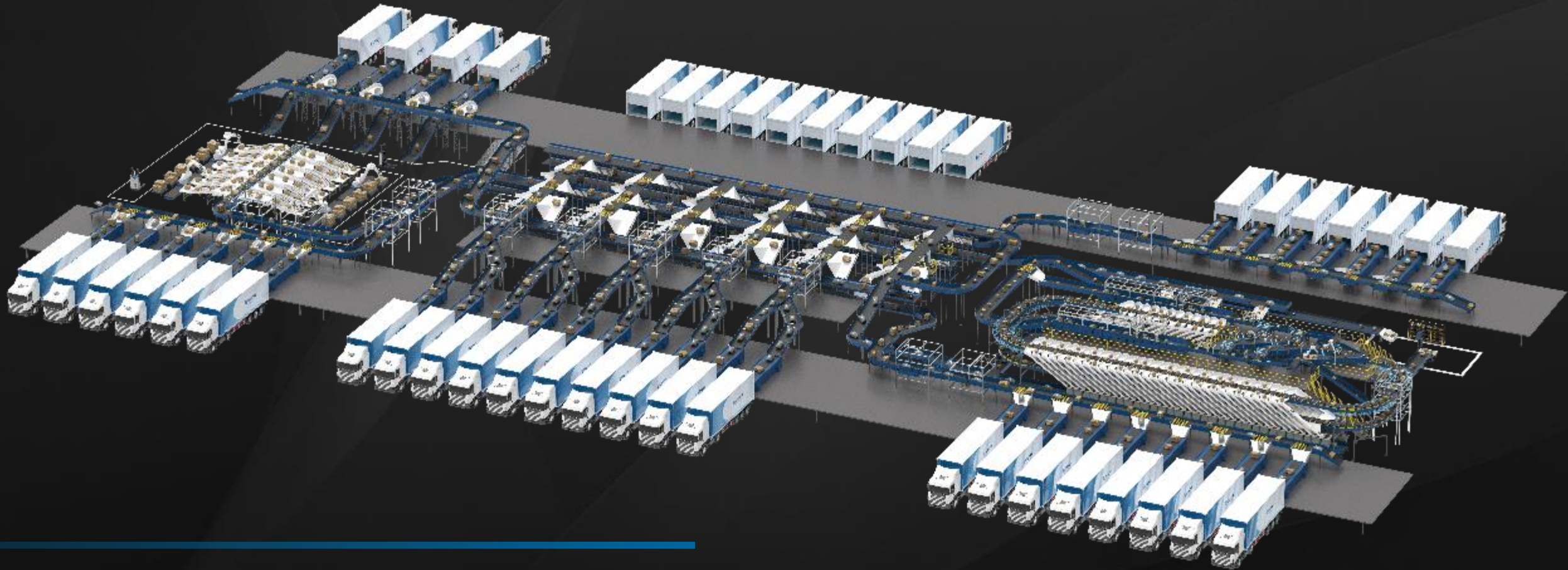
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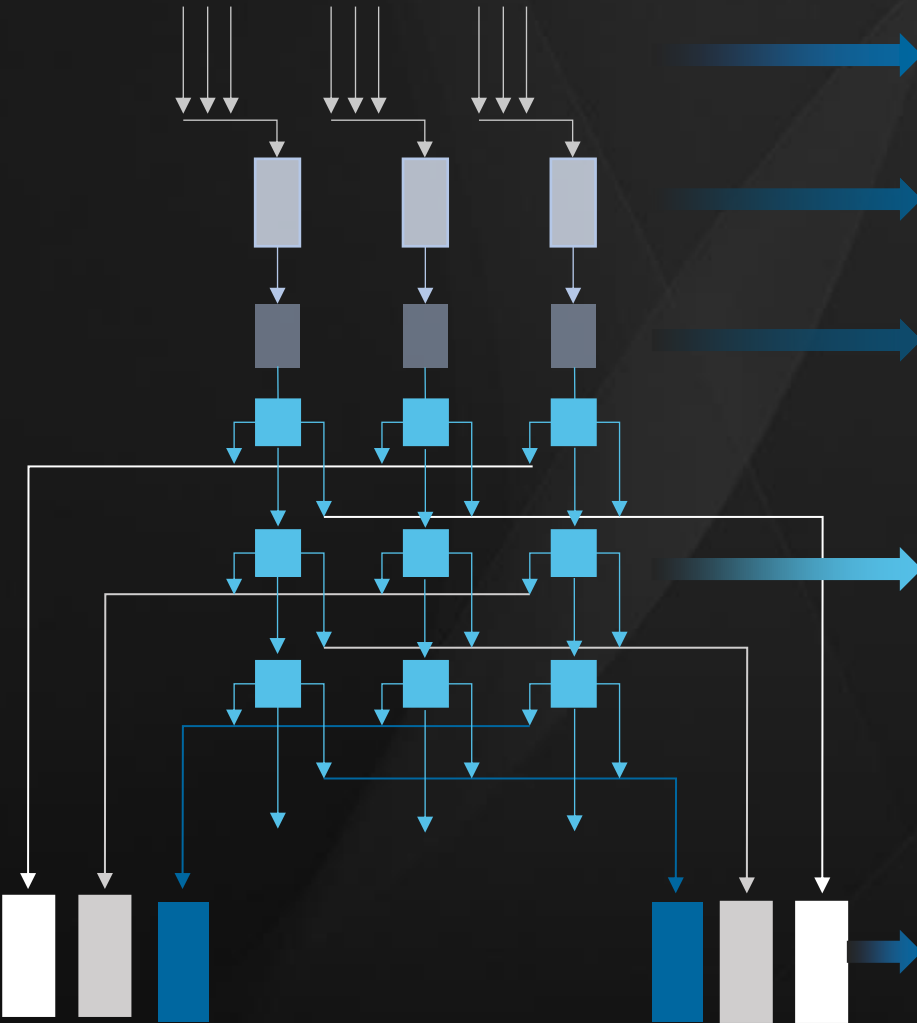
Wayzim is a leading comprehensive solution provider

# Intelligent Sorting ...



The automated sorting of parcels is achieved throughout the entire process by using intelligent logistics equipment such as the 2D Bulk Flow Singulator, dynamic DWS, and Cross Belt Sorter.

# ... based on a Matrix solution



### Parcel unloading and Conveying Section

When a truck carrying parcels arrives, the parcels are unloaded by the telescoping conveyor.

### 2D Bulk Flow Singulator System

The 2D Bulk Flow Singulator and centering conveyor rollers arrange parcels to form a centered single-item flow.

### DWS System

The DWS equipment obtains parcel barcode, volume, and weight information.

### Matrix Pivot Wheel Sorter

Parcels are automatically sorted.

### Parcel Loading

After sorting, parcels are loaded by the telescoping conveyor.

## A Case of the Matrix Solution



# Pivot Wheel Sorter

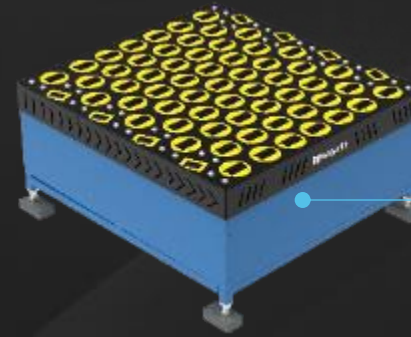


The Pivot Wheel Sorter is a type of wheel-guided sorting equipment, which can be used **as an independent module combined with belt conveyors**, and deployed at any position of the belt conveyor to perform rough sorting/fine sorting of parcels such as large woven bags, soft packages, and cartons.

**≥ 99.99%**  
Sorting accuracy rate

**0.1 to 30 kg**  
(small parcels)

**0.3 to 60 kg**  
(large parcels)  
Parcel weight range



6K Pivot Wheel Sorter



Type B Friction Pivot Wheel Sorter

## Advantages

- » Standardized series products fully adapt to different scenario requirements
- » Modular design for quick deployment and maintenance
- » Flexible use, matched with various types of conveying and sorting equipment



# 2D Bulk Flow Singulator



The 2D Bulk Flow Singulator is linked with the control system through software, so that different control units of the 2D Bulk Flow Singulator can **automatically singulate, gap, and align parcels**. In this way, the disorderly parcels are in a single line according to the set distance and enter the subsequent automated sorting equipment in sequence.

**10,000 pcs/h** for small parcels and  
**7200 pcs/h** for large parcels

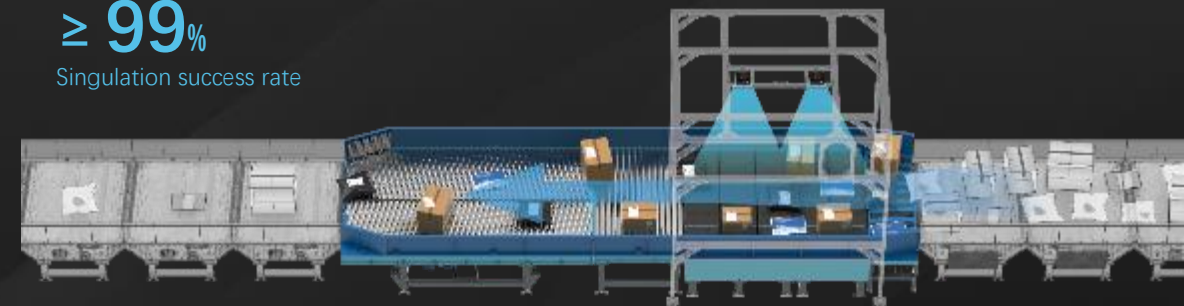
Maximum theoretical sorting efficiency

**≥ 99%**

Singulation success rate

## Advantages

- » Visual + computing + servo simple design, stable and efficient
- » Visual + AI, achieving recognition of complex items and precise positioning
- » Modular design for quick customization, deployment, and maintenance



# Dynamic DWS



The dynamic DWS system is a data collection system that involves dimensioning, weighing, and scanning. It uses barcode scanning cameras with different resolutions and a stereo camera and integrates high-precision dynamic scales, to **achieve** stable recognition of barcodes on **the front, rear, left, right, top, and bottom surfaces**, volume measurement, and weight acquisition.

$\geq 7200$  pcs/h

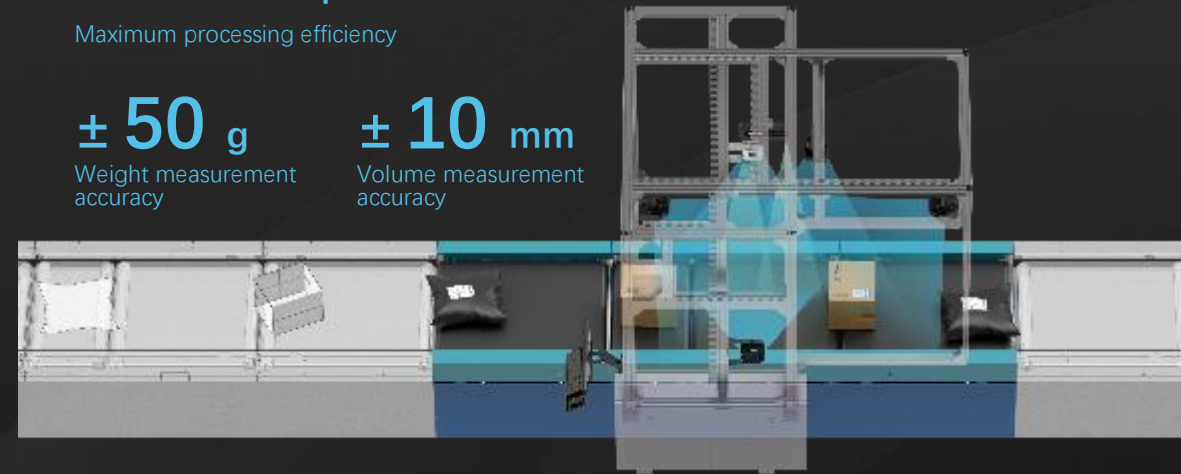
Maximum processing efficiency

$\pm 50$  g

Weight measurement accuracy

$\pm 10$  mm

Volume measurement accuracy



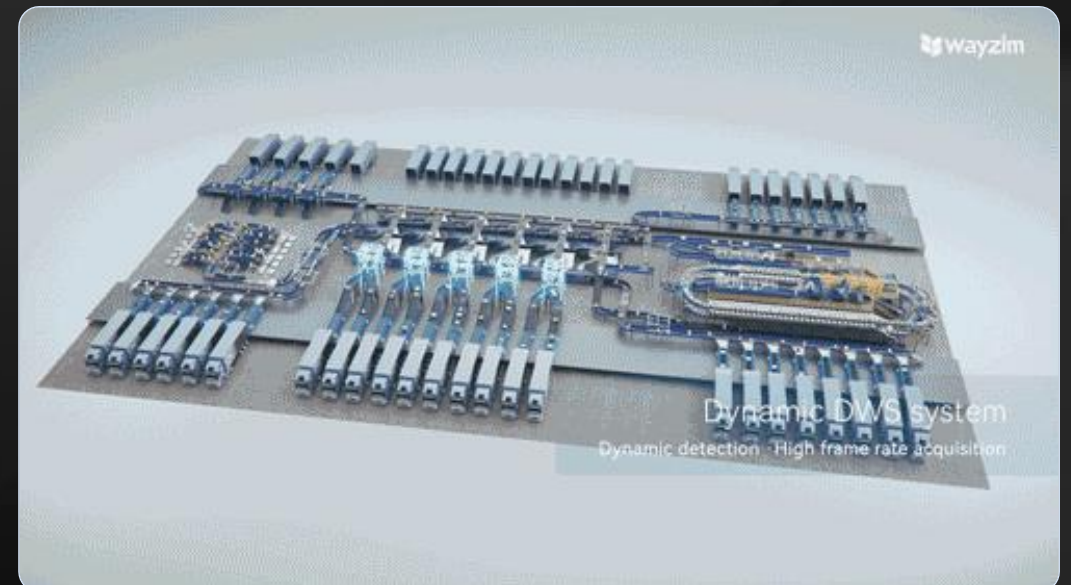
## Advantages

### » Comprehensive measurement provides basic support

Integrates volume measurement, barcode scanning, and weight measurement functions, and works with Pivot Wheel Sorters, Narrow Belt Sorters, and Linear Sorters to achieve rough parcel sorting, abnormal parcel removal, and small parcel diversion.

### » Multi-line collaboration with full-process traceability

### » Multiple algorithms support stable and efficient measurement



# Narrow Belt Sorter



The Narrow Belt Sorter is designed with different modules. **Sorting modules can be flexibly added or removed based on requirements** to adapt to different scales of sites and meet the sorting needs for parcels of different sizes and shapes.

**9,000** pcs/h

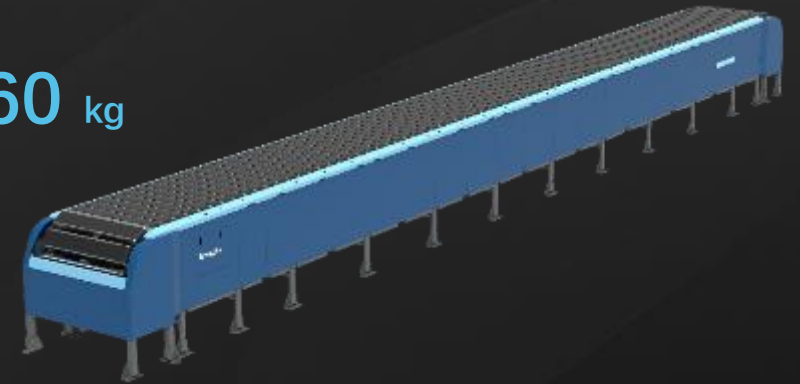
Maximum actual sorting efficiency (line speed: 2.0 m/s)

**≥ 99.99%**

Sorting accuracy rate

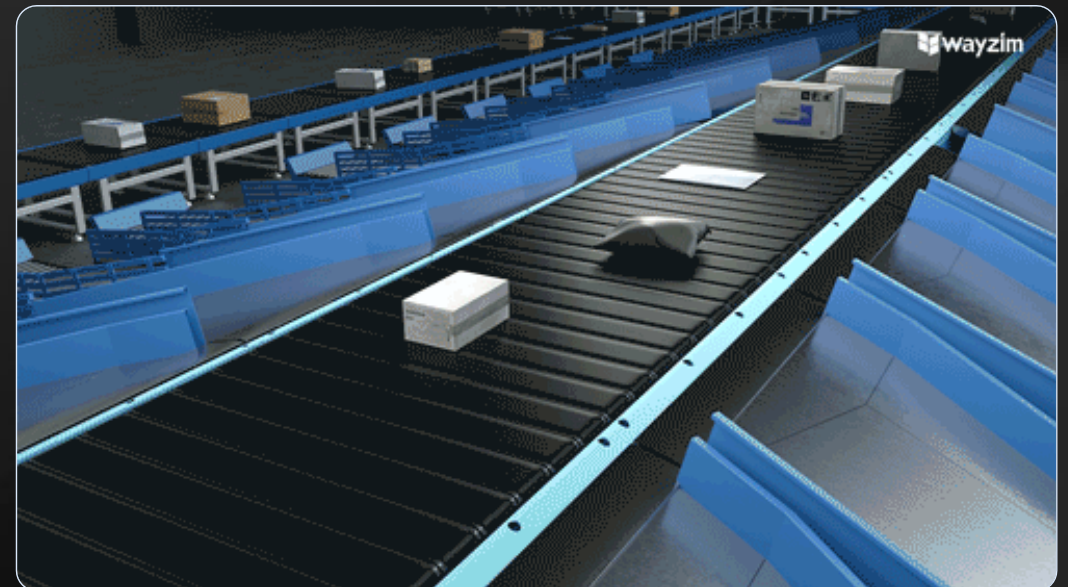
**0.2 to 60** kg

Parcel weight range



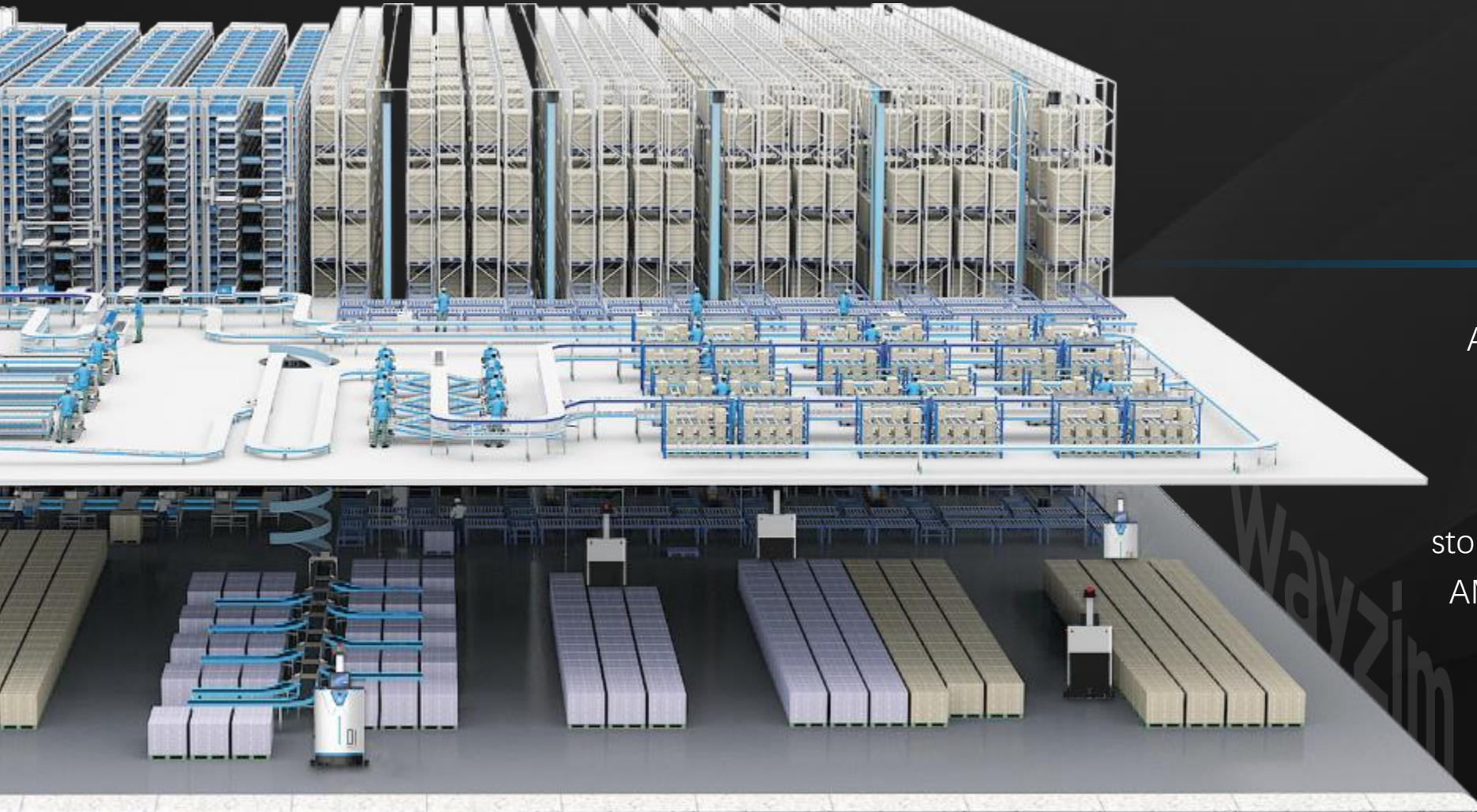
## Advantages

- » Permanent magnet linear motors for drives and great longevity design for mechanical structure
- » Modular design with strong compatibility for sorting various types of goods
- » Front-end multi-dimensional visual measurement ensures adaptive adjustment of discharge postures
- » Energy-saving and noise reduction design ensures stable and quiet operation of the equipment

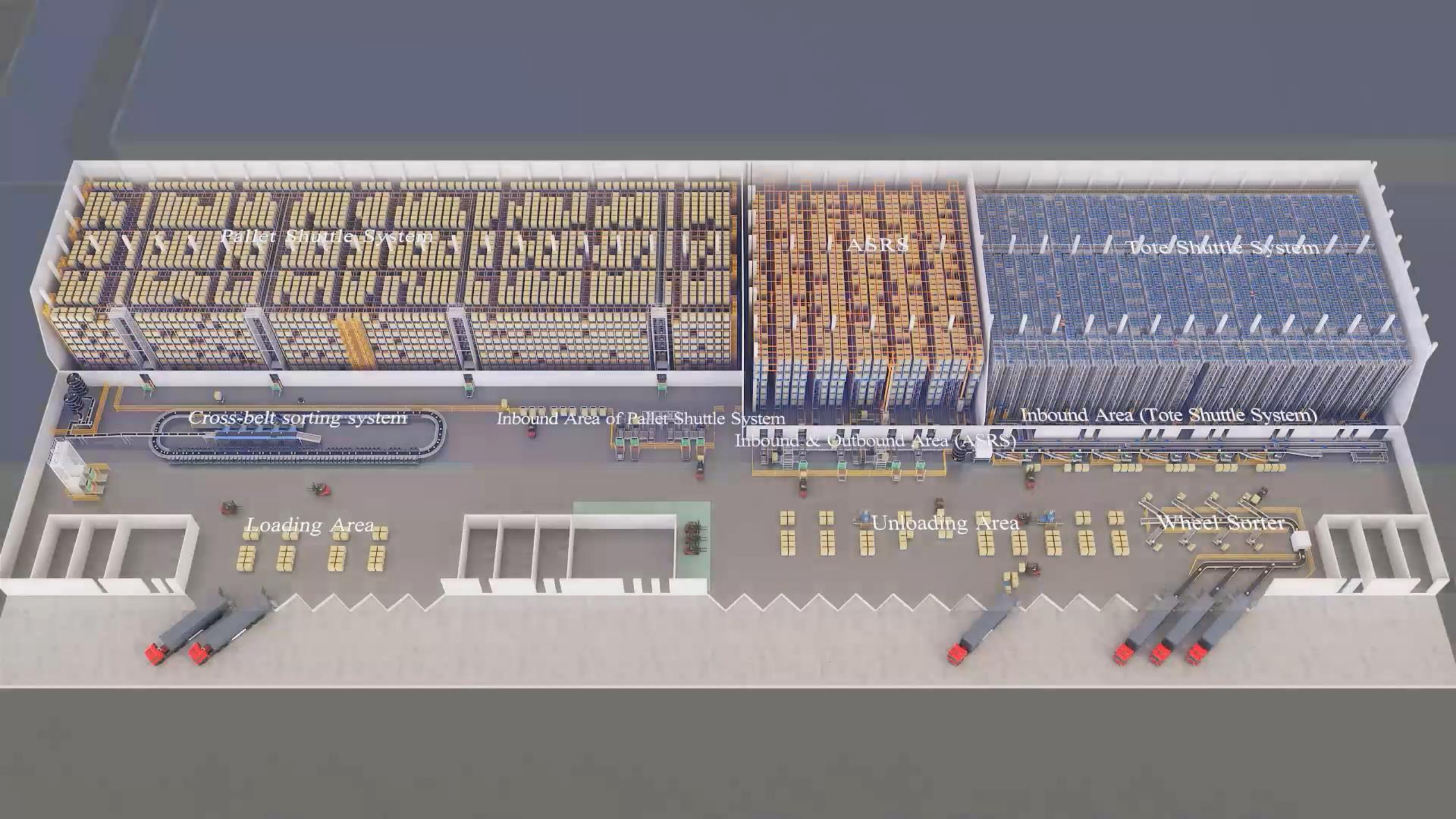




# Intelligent Warehousing



Achieves the intelligent operation and management of an entire warehousing process by using automated handling and storage/retrieval equipment such as AMRs, stacker cranes, and shuttles.



Pallet Shuttle System

ASRS

Tote Shuttle System

Cross-belt sorting system

Inbound Area of Pallet Shuttle System

Inbound & Outbound Area (ASRS)

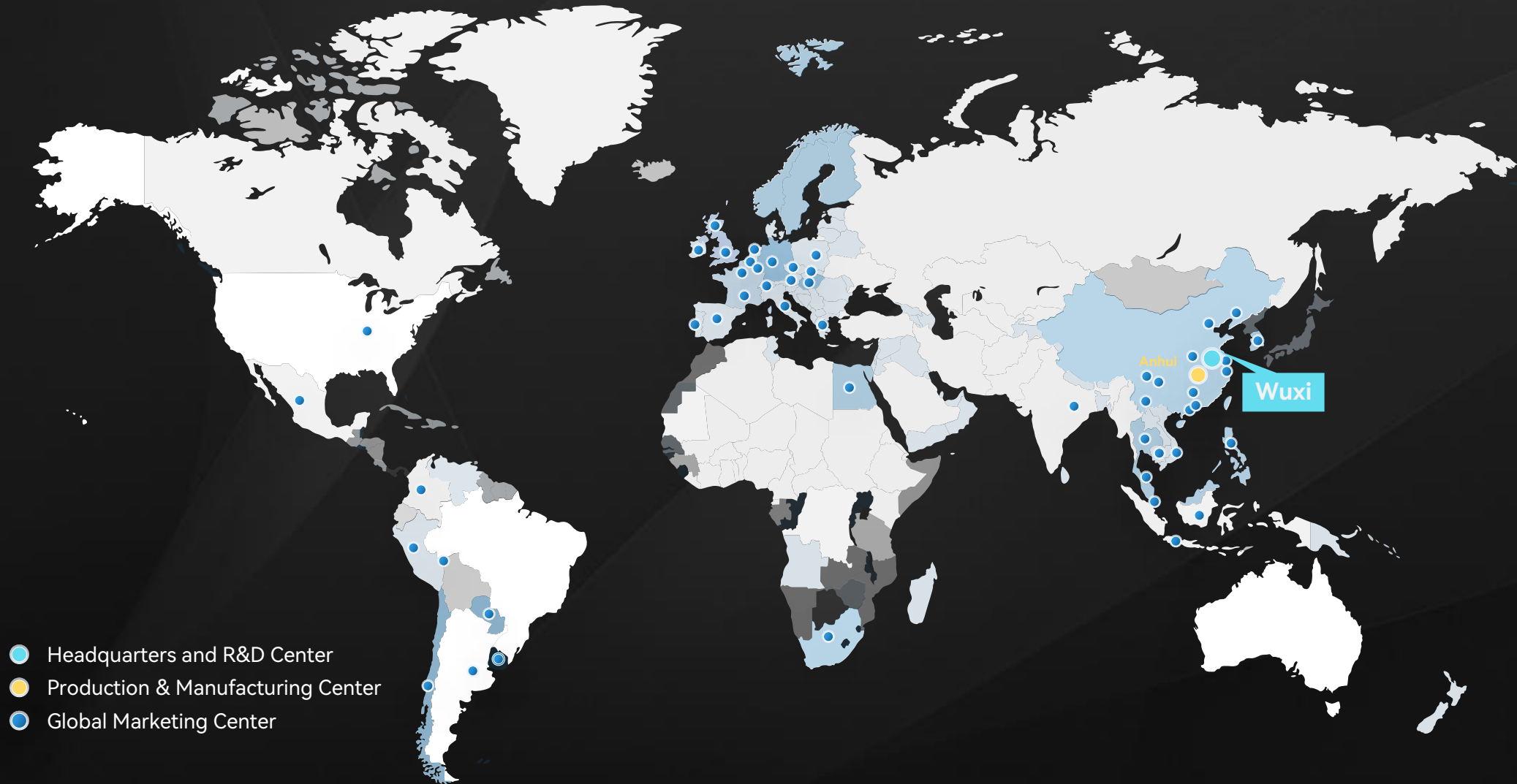
Inbound Area (Tote Shuttle System)

Loading Area

Unloading Area

Wheel Sorter

# Global Operations



- Headquarters and R&D Center
- Production & Manufacturing Center
- Global Marketing Center

# Our Partners (extract)



Thank you  
for your attention.