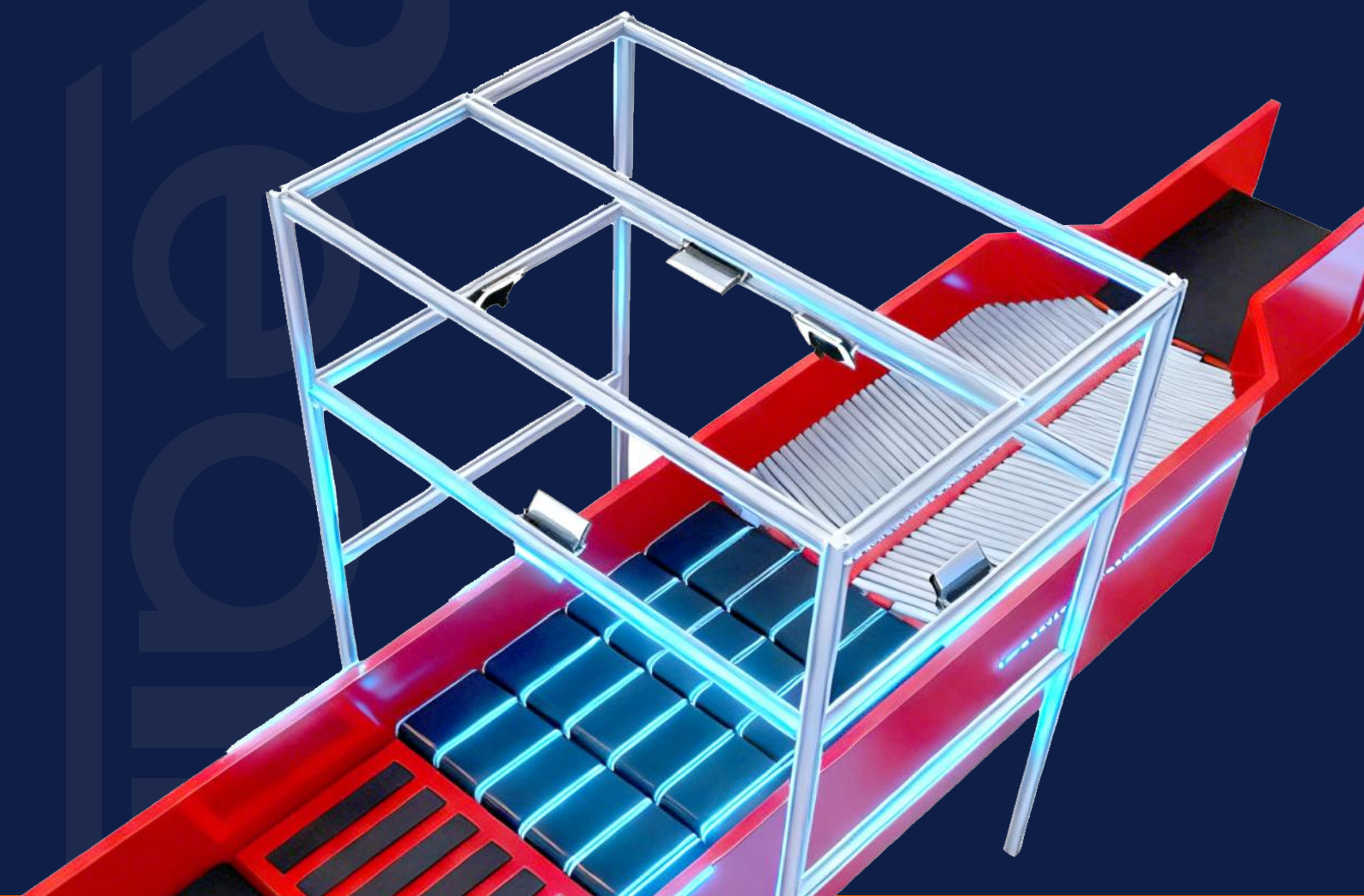


Realkey[®]
SORTING SOLUTIONS



Realkey

Parcel Singulator

RKM00DU-SGL

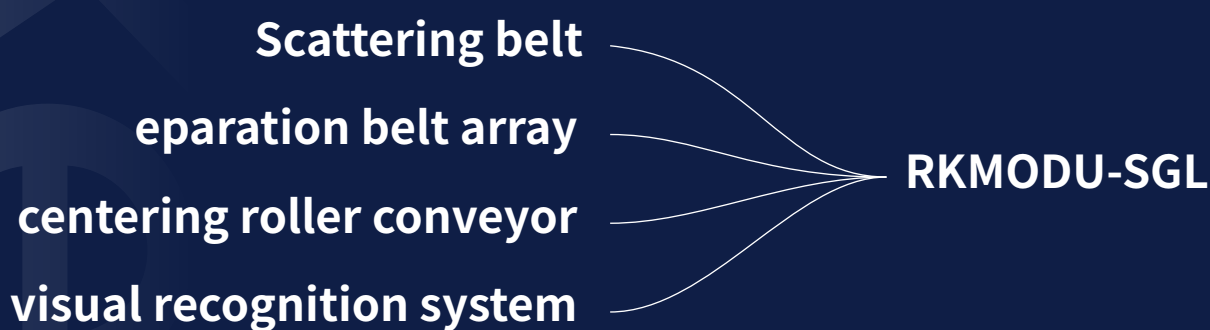
High-Efficiency, Automated Parcel Singulator

Realkey Machinery Qingdao Co., Ltd

Product Overview

RKMODU-SGL

The Realkey Parcel Singulator (RKMODU-SGL) is an automated system designed to separate, space, and queue mixed parcels from upstream conveyors. Installed at the front end of sorting solutions, it includes a scattering belt, separation belt array, centering rollers, and a vision system.



4000 pcs/h

The RKM0DU-SGL can process over 4000 parcels per hour, making it widely used in industries such as logistics, e-commerce, and postal services. It plays a crucial role in automated assembly lines.

Scattering Belt: Creates gaps between incoming parcels.

Vision System: Cameras capture real-time parcel data (position, outline).

AI Control: Intelligent algorithms analyze data to determine the optimal separation path.

Separation Belts: Execute the separation, spacing, and queuing of parcels.

Centering Rollers: Align and organize parcels before output to downstream equipment.

Equipment Features

01 **Strong Applicability**



Advanced AI vision stably identifies challenging items like envelopes, waterproof bags, and black parcels.

60 kg

Handles a wide weight range up to 60kg, ideal for diverse parcel types.

02 **Labor Cost Saving**



Reduces manual effort in separating, sorting, and flipping mixed parcels.

Lowers error rates and labor costs.

03 **Efficiency Improvement**

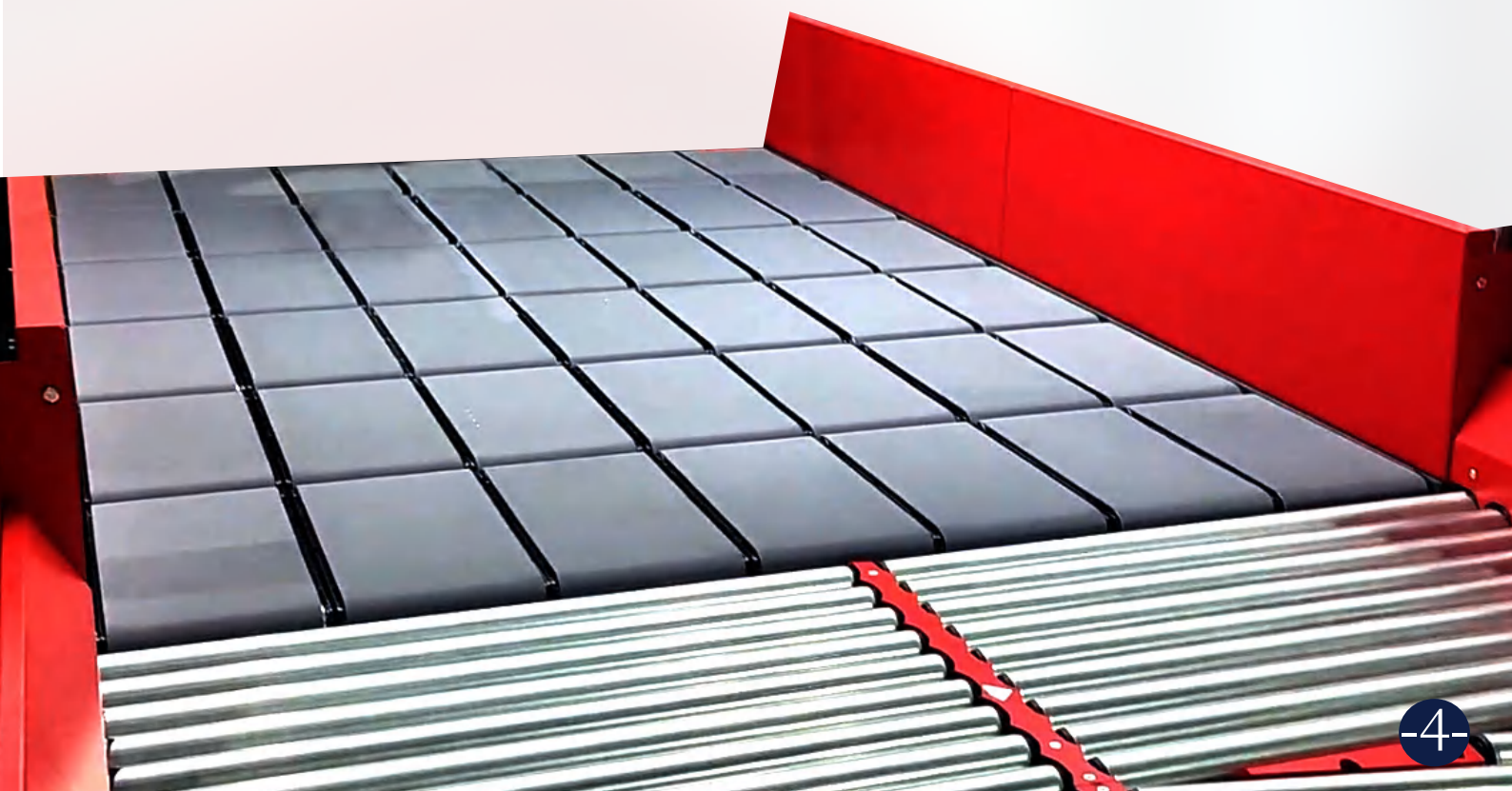
A key component in automated sorting systems that boosts overall station efficiency.

Increases throughput and maximizes sorting capacity per unit area.

04 **Modular Solutions**

Modular design allows customization to fit specific layout needs.

Compact footprint enables easy installation and maintenance, with high ROI.



Technical Parameters

Model	RKMODU-SGL
Applicable Parcel Types	Cartons, waterproof bags, woven bags, etc.
Separation Gap	600MM
Separation Efficiency	4000p/h
Separated Cargo Weight	0.3-60kg
Separated Cargo Size	MAX: 1000X700X700mm MIN: 150X150X30mm
Operating Noise	≤70dB (A)



Product Application



Postal Sorting:

Automated letter and parcel separation.



Courier Centers:

High-volume, single-file parcel sorting.



Logistics Centers:

Individual item induction for scanning.



Food Processing:

Singulation for weighing and labeling.



Pharmaceutical Packaging:

Automated, accurate package handling.

Product Advantages

01

Identification Technology

Our intelligent vision system, powered by deep learning, ensures real-time recognition and precise separation of parcels in all conditions, including adhesion, for evenly spaced output.

02

Reliability

Realkey delivers 19 years of expertise in logistics conveying and automated sorting. Renowned for robust systems and tailored solutions, we are your trusted partner in intelligent material handling.



Company Profile

Qingdao Realkey Machinery Co., Ltd
Intelligent Logistics Sorting & Conveying Systems Expert
National High-Tech Enterprise

Core Strengths

- Proprietary high-speed sorting systems: 30,000 pcs/h throughput
- AI-powered sorting accuracy: 99.9%+ reliability
- Industry-adaptive solutions: Customized for 20+ sectors including e-commerce, express logistics, and manufacturing.

Your Pain Points Solved

- Low sorting efficiency • Error-prone operations
- Space constraints • Rising labor costs

Global Impact

20+ countries served | 1000+ successful deployments
Trusted by industry leaders: SF Express, JD.com, China Post.

Empower your logistics evolution with intelligent solutions
Where cost reduction meets operational excellence

19+

Founded in 2007

100+

Professional R&D
personnel

12000+ m²

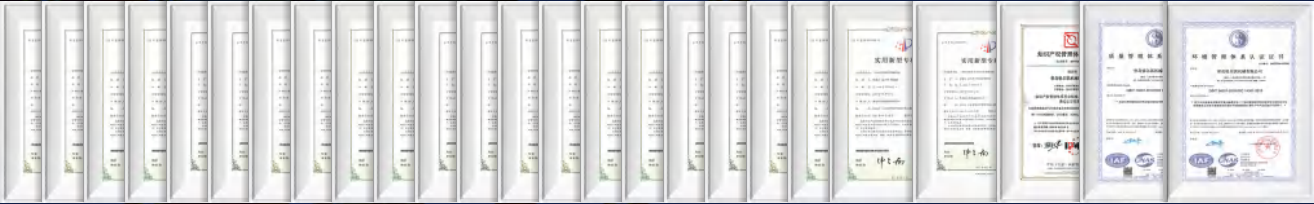
Factory space

20000+ m²

Land area

Certifications & Recognitions

- CE Certification (Approved)
- ISO9001 Quality Management System Certification
- ISO14001 Environmental Management System Certification
- National High-Tech Enterprise
- Intellectual Property Management System Certification
- Qingdao "Specialized, Refined, Unique, Innovative" Enterprise
- Qingdao Intelligent Parcel Sorting Technology Innovation Center



RKSORT- Product Series



TTS

Tilt Tray Sorter

STS

Split Tray Sorter

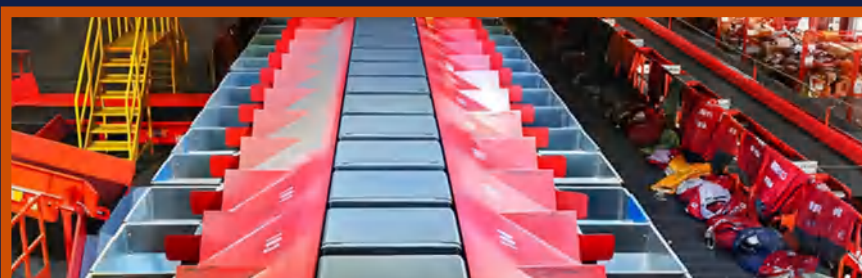


SWS

Swivel Wheel Sorter

CBS

Cross Belt Sorter

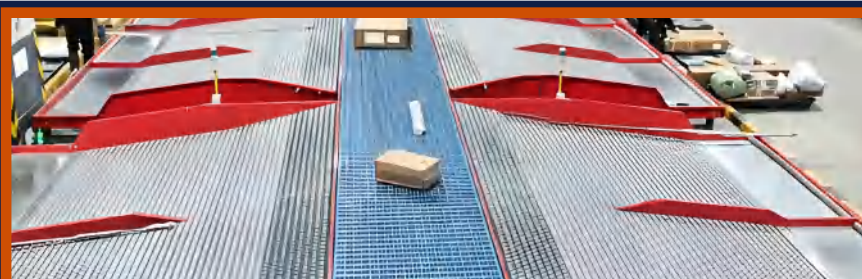


NBS

Narrow Belt Sorter

MBS

Modular Belt Sorter





**Excellent Quality
Service First
Creating Success
Together with You**

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