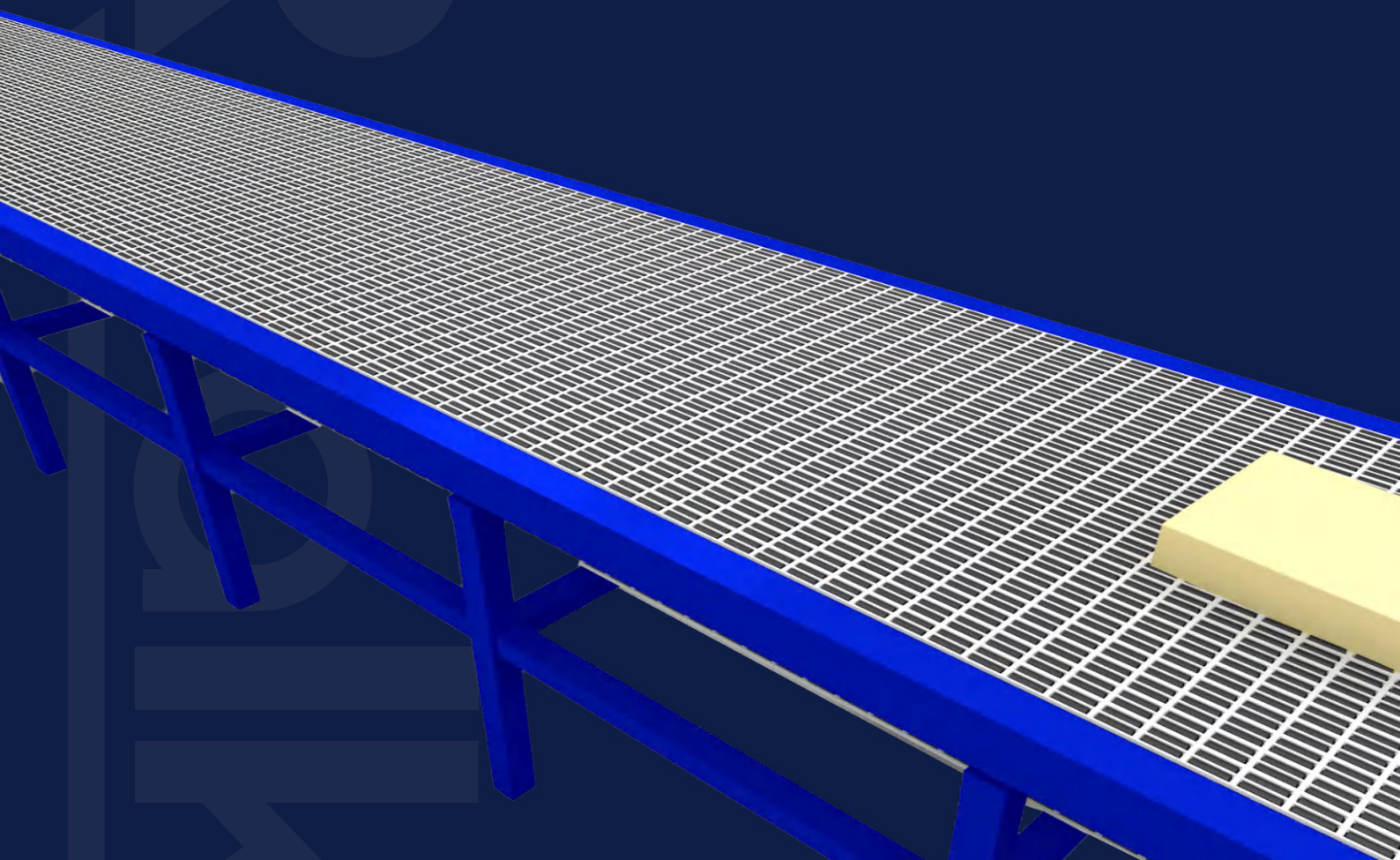




Realkey

Modular Belt Conveyor

RKCONV-MC

Modular, hygienic, heavy-duty conveyor system.

Product Overview

RKCONV-MC

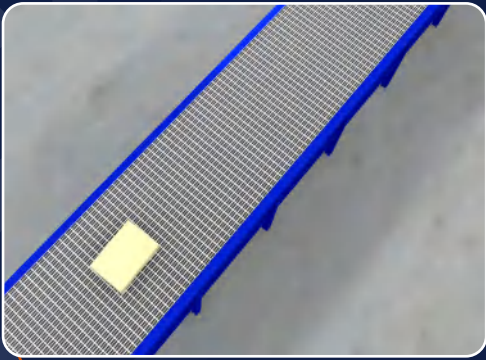
The Realkey Modular Belt Conveyor (RKCONV-MC) uses a modular plastic belt as its core conveying medium.

Its drive mechanism is similar to a traditional belt conveyor. A driving device moves the modular belt continuously, enabling smooth and precise transportation of items.

Lightweight, clean, and easy to integrate.

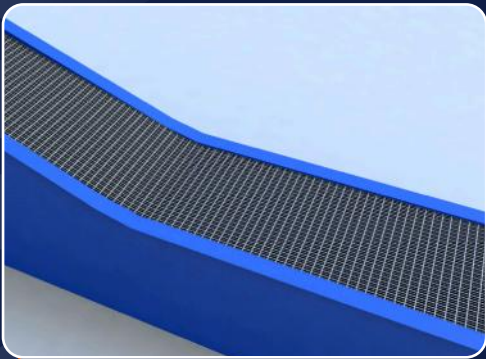
Strong load capacity, making it particularly suitable for applications requiring lateral movement of heavy or oversized items during transport.

Widely used in food, pharmaceutical, electronics assembly, and mail sorting industries.



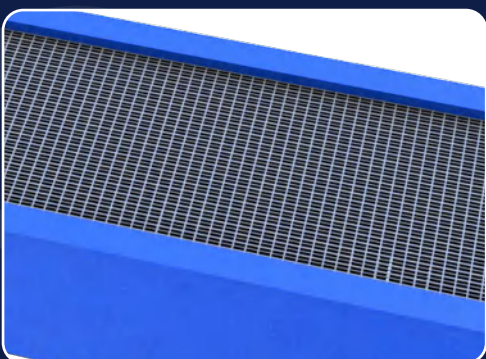
FLAT MODULAR CONVEYOR

This is the most common form of modular belt conveyor, available in light, medium, and heavy-duty specifications.



INCLINED MODULAR CONVEYOR

With the addition of attachments such as cleats and sidewalls, the inclined modular belt can achieve steep-angle conveying, saving space and improving efficiency.



CURVED MODULAR CONVEYOR

The curved modular conveyor can be set to turn at angles of 30°, 45°, 60°, 90°, 180°, or any other desired angle. The turning radius can be custom-designed to fit specific plans, allowing for the creation of more complex conveying systems when integrated with other conveyor lines.

Equipment Features

01 **Modular Design**



The modular belt consists of a series of standardized modules, allowing for quick customization and adjustment according to customer requirements.

02 **Cleanliness and Hygiene**



The smooth surface of the plastic modular belt is easy to clean, making it suitable for industries with high hygiene standards.

03 **Low Noise Operation**



The modular belt conveyor operates smoothly and quietly, making it suitable for environments where quiet operation is necessary.

04 High Adaptability



It can accommodate various shapes, sizes, and weights of items, including fragile and irregularly shaped items.

05 Energy Efficiency

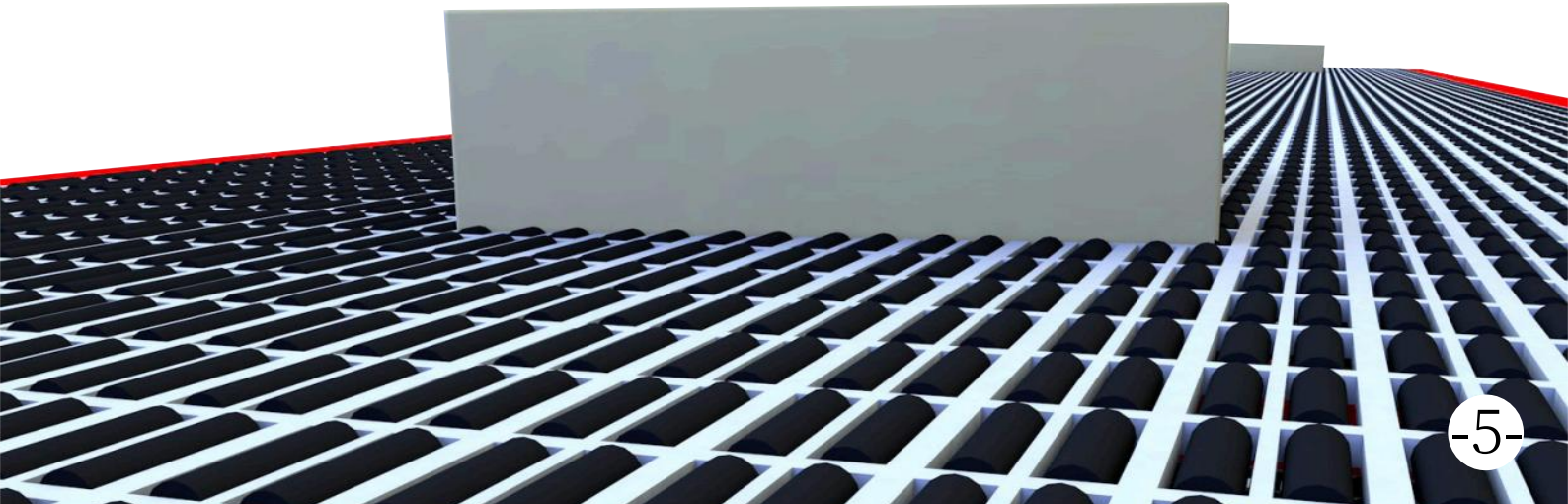


Utilizing energy-efficient motors combined with intelligent control technology enables efficient energy utilization.



Technical Parameters

Model	RKCONV-MC-L/M/H
Equipment Length	3~20 meters
Effective Width	400/600/800/1000/1200/1400 mm
Belt Material	PU/POM
Conveyor Type	Flat/Climbing/Turning
Drive Type	Geared Motor
Operating Speed	0.2~1.5 m/s
Maximum Load	120 kg/square meter
Ambient Temperature	-20~40 °C
Ambient Voltage	Three-phase Five-wire 380V/Single-phase 220V
Equipment Accessories	Can be configured with accessories such as protective panels, bottom mesh, photoelectric switches, foot switches, etc., according to requirements.



Product Application



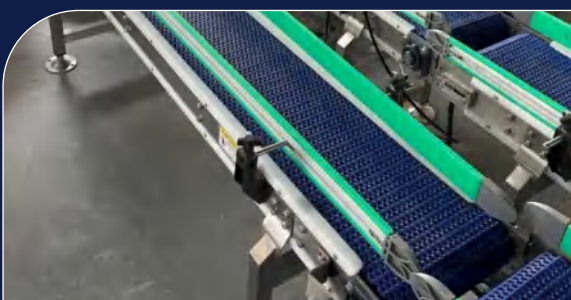
Food Industry

Used for conveying in food processing, packaging, and sorting, such as pastries, fruits, and vegetables.



Pharmaceutical Industry

Suitable for sterile packaging and conveying of pharmaceuticals, ensuring the hygiene and safety of drugs.



Electronic Product Assembly

Used on assembly lines for electronic products, for precise conveying and positioning of small parts.



Mail Sorting Centers

Used for rapid and automated sorting of mail and parcels, improving sorting efficiency and accuracy.

Product Advantages

01

Precision Control

Integrated with sensors and control systems, it enables precise positioning and conveying.

02

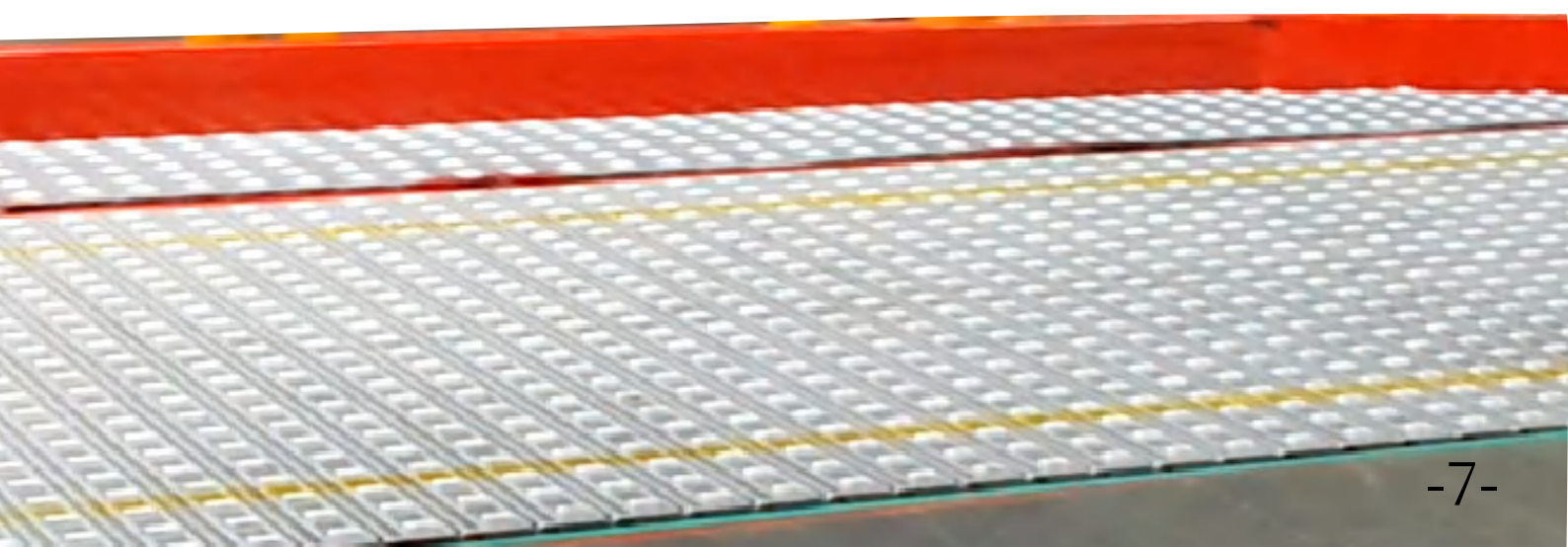
Easy Integration

Its modular design enables easy integration into existing lines or with other equipment.

03

Low Maintenance Costs

Easy to clean, durable, and with replaceable parts, these belts lower maintenance costs.



Product Advantages

04

High Flexibility

The conveyor's width, length, and speed are quickly adjustable to meet production needs, enabling easy adaptation and expansion of lines.

05

Environmentally Friendly Materials

Modular belts are made of recyclable plastic materials, meeting modern industrial requirements for environmental protection.

06

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

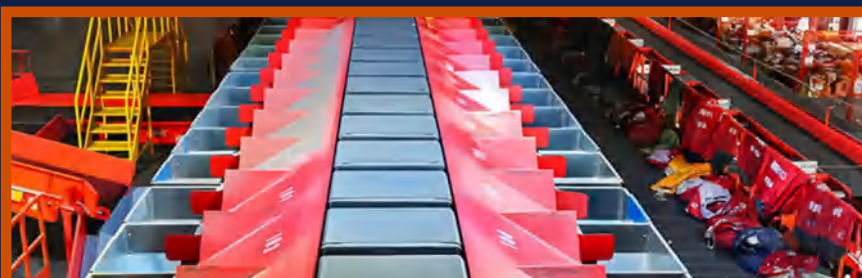


SWS

Swivel Wheel Sorter

CBS

Cross Belt Sorter

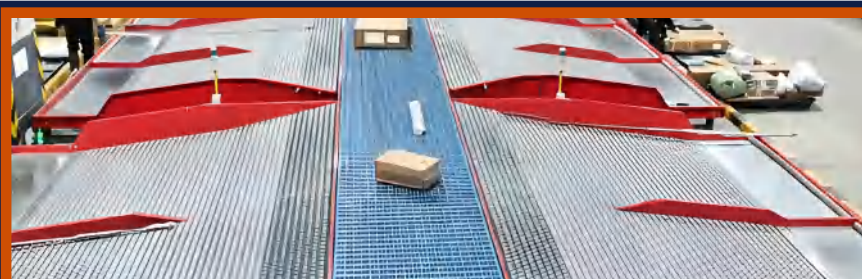


NBS

Narrow Belt Sorter

MBS

Modular Belt Sorter





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

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