Conveying Product

Belt Conveyor

Feature

- Belt horizontal conveying.
- Applicable to different sizes of various forms. of goods
- Firmness and universality.

Product Specification

Conveying Width	560 mm、860 mm、1060 mm、1260 mm
Belt Width	500 mm、800 mm、1000 mm、1200 mm; 3 mm (thickness is 3 mm as usual)
Height of Conveying Surface	500 mm, 800 mm, 1800 mm 、3100 mm
Loading Capability	80 kg/m² dynamic load; 200 kg/m² static load
Conveying Speed	Belt conveyor speed: turning belt conveyor 120 m/min, the speed of the two - in - one or three - in - one junction belt conveyor in the unloading area is 120 m/min, the sorting belt conveyor above the matrix is 25 - 36 m/min, the junction belt conveyor under the matrix is 120 m/min.
Driven Power	According to equipment list
Driven Mode	Intermediate drive and end drive
Angle of Tilt Conveyor	≤ 17°(in cold areas in the north, the inclination angle of belt conveyor is ≤ 14°)

Telescopic Belt Conveyor

Feature

- Suitable for special conveying of loading and unloading.
- Adjustable extension and retraction length at will.

Product Specification

Specifications	Section Number	Conveying Speed	Load Capacity	Base Structure
TB35	Three-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB36	Three-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB37	Three-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB45	Four-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB46	Four-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB47	Four-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB55	Five-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB56	Five-section	20-30 m/min	60 kg/m	Fixed / Mobile
TB57	Five-section	20-30 m/min	60 kg/m	Fixed / Mobile

Conveying Speed	Fixed and Variable Speed	Conveying Dip Angle	Horizontal, Fixed, Automatic Lifting	Non-standard Models	Swing Arm / Hump
Conveying Direction	Single and Double Directions	Base of Fixed Section	Fixed and Mobile		

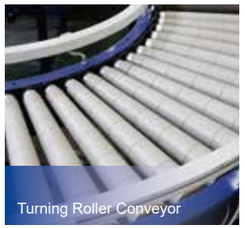
Carton Conveyor

Feature

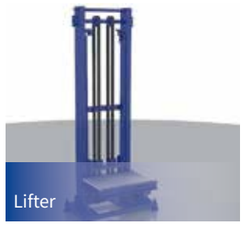
- Mainly composed of belt conveyor, roller conveyor, steerable wheel conveyor, lifting transfer machine.
- Suitable for box-packed goods.
- Integrated conveying and sorting without manual operation.
- Flexible combinations for maximum efficiency.

Product Specification

Mode of Operation	Horizontal Conveying, Product Releasing
Conveying Speed	0.1 m/s~2 m/s
Loading Capacity	⩽ 50 kg



Mode of Operation	Turning Conveying Product Releasing
Conveying Speed	0.1 m/s~2 m/s
Loading Capacity	⩽ 50 kg



Mode of Operation	Vertical Conveying
Lifting Stroke	⩽ 6 m
Lifting Parameter	v= 1 m/s, a= 2 m/s^2

Mode of Operation	Transposition Conveying
Sorting Efficiency	1200 PPH
Conveying Capability	⩽ 50 kg

Mode of Operation	Horizontal,Climbing, Descending, Pulling Distance
Climbing Angles	0°-18°
Conveying Speed	0.1 m/s-2 m/s
Loading Capacity	⩽ 50 kg/m

Mode of Operation	Horizontal Conveying
Sorting Efficiency	3600 PPH
Steering Angle	30° (Bi-directional)

Pallet Conveyor

Feature

- Mainly composed of frame assembly, drive assembly, leg assembly, etc.
- Conveying form can be divided into roller conveying and chain conveying.
- Applying for horizontal conveying of pallets in indoor environments.
- Smooth operation, easy installation and maintenance.

Product Specification

Mode	Pallet Roller Conveyor
Conveying Speed Range of Conveyor	3-24 m/min
Rated Load	0-1500 kg Overload Customized
Pallet Size Range	600-2500 mm Over-limit Customized

Mode	Pallet Chain Conveyor
Conveying Speed Range of Conveyor	3-24 m/min
Rated Load	0-1500 kg Overload Customized
Pallet Size Range	600-2500 mm Over-limit Customized

Lifting Transferring Machine

Feature

- Mainly composed of moving component and the lifting part.
- The transfer assembly is of the same construction as the roller conveyor or chain conveyor.

Roller Lifting Transferring Machine

Chain Lifting Transferring Machine

Product Specification

Mode	Roller Lifting Transferring Machine	Chain Lifting Transferring Machine
Conveying Speed Range of Conveyor	0-24 m/min	0-24 m/min
Rated Load	0-1500kg Overload Customized	0-1500kg Overload Customized
Every Lifting Cycle	4s	4s
Device Width	820、1020、1120、1220...mm	700、850、950、1050...mm
Pallet Size Range	600-2500 mm Over-limit Customized	600-2500 mm Over-limit Customized
Mode of Operation	Online / Semi-automatic / Manual	Online / Semi-automatic / Manual

DWS

Feature

- Frame structure, meticulous and good-looking.
- Applies for special environments such as low temperature.
- Fully scanning and automatic reading, and the goods do not need to stop.
- Powerful algorithm, can identify classification code system (such as one-dimensional code, two-dimensional code) and poorly classified barcode (such as small identification unit, poor printing quality, dirty reflective surface wrinkles, etc.).

Product Specification

Overall Processing Capacity	4000 pch/h	Type of Goods	Cartons / Waterproof Bags / Snakeskin Bags
Scanning Barcode Reading Rate	⩾ 99%	Goods Size Range	150 mm*150 mm*15 mm~1200 mm*800 mm*800 mm
Weighing Range	0.3 kg~60 kg	Goods Weight Range	0.3 kg~60 kg
Weighing Accuracy	± 50 g	System Availability	⩾ 99.5 %
Goods Volume Deviation	± 10 mm	Noise When Equipment Operation	⩽ 72 dB

Carrying Product

Pallet Depalletizer

Feature

- Telescopic plate fork support, electric lifting, high reliability.
- Simple and compact structure, stable operation.
- Convenient installation and maintenance.
- Suitable for group pallet split and single pallet stacking in indoor environment.

Product Specification

Running Mode	Horizontal conveying and handling
Conveying Unit Length	According to the system requirements
Conveying Unit Width	The width is set base on the standard pallet size series, and the width can be 1400, 1600, 1700, 1800 mm…… (The width of the disassembly machine = the width of the pallet + 600mm)
Equipment Connection Height	It depends on the number of pallets to be processed and the height of the horizontal conveying surface, generally the maximum height is not more than 3000 mm
Running Speed	Lifting speed: 7 m/min (frequency conversion speed regulation), lifting stroke 200-400 mm can be customized
Carrying Capacity	Standard model: max. Load capacity of the whole machine is 400 kg;The number of pallets handled: up to 10 pallets. According to the requirements of the working conditions, the load capacity can also be customized on demand.
Driven Motor	The standard model is equipped with a high quality gear motor. The motor power depends on factors such as load and speed. Lift motor power is 1.5kw as standard
Efficiency	The maximum pallet processing efficiency is 120 torr/hour
Outrigger	Adopt welded legs or bolted legs. The lower part is installed with adjusting feet, the height is adjustable, the adjustment range is ±30 mm

Lifter

Feature

- Mainly composed of loading platform, conveyor, power components, counterweight, power supply system, control system and other parts.
- There are two types of conveying units: roller conveyor and chain conveyor.
- Widely used for e-commerce, electronic manufacturing, machinery manufacturing, textile, tobacco, medicine and other medium and large storage logistics.

Product Specification

Running Mode	Vertical conveying and carrying
Conveying Height	Maximum lifting height: 40 m
Running Speed	Can be 12, 18, 24 m/min (Value can be determined base on system requirements); Hoist lifting speed: can be 30, 45, 60 m/min (Value can be determined base on system requirements)
Carrying Capacity	Standard model: Maximum load capacity 2000kg (Customizable on demand)

Layer Change Lifter

AGV Lifter

Double Mast Lifter

Fork Lifter

Straight Rail Guided Vehicle（RGV）

Feature

- Mainly composed of conveying unit, body unit, power supply system, track and blocking device, etc.
- High positioning accuracy, easy installation and maintenance.
- Widely used for e-commerce, electronic manufacturing, machinery manufacturing, textile, tobacco, medicine and other medium and large storage logistics.

Product Specification

Running Mode	Horizontal conveying and handling
Conveying Unit Length	According to the system requirements
Conveying Unit Width	When the conveying unit adopts a chain conveyor, the chain center distance can be 700 mm, 850 mm, 950 mm, 1050 mm.... (Under normal circumstances, the chain center distance=pallet width-150mm) When the conveying unit adopts roller conveyor, the effective width can be 820, 1020, 1120, 1220 mm....(Effective width refers to the inner width between guide rods on both sides of the roller axis = pallet width + 20 mm)
Equipment Connection Height	Min. Conveying surface height is 450 mm
Running Speed	The traveling speed of the shuttle car is 160m/min at full load and 200 m/min at no load
Carrying Capacity	Standard model: Max. Load capacity of the whole machine is 1500 kg, and the load capacity can be customized according to the requirements of working conditions. Applicable pallet specifications (width) are: 800, 1000, 1100, 1200 mm....
Driven Motor	The standard power of the walking motor is 3 kw, with options of 2.2 kw and 4 kw
Power Supply Mode	Power supply by sliding contact line; Power supply: 3 - phase 380 V, 50 Hz
Communication Mode	Infrared communication
Address Recognition Mode	Laser and bar code address recognition

Loop Rail Guided Vehicle（RGV）

Feature

- An extension of the straight RGV, mainly composed of conveying unit, car body unit, power supply system, track and blocking device, etc.
- It can realize cargo docking of multiple conveyor lines at the same height on both sides of the track.
- Widely used for e-commerce, electronic manufacturing, machinery manufacturing, textile, tobacco, medicine and other medium and large storage logistics.

Product Specification

Load	2000 kg
Carrying Size	600-2500 mm
Running Speed (Straight Section)	120-200 m/min
Running Speed (Turning Section)	30-40 m/min
Walking Acceleration	0.5 m/s^2
Conveying Speed	12-20 m/min
Walking Positioning Accuracy	±5 mm
Communication Mode	Wireless AP
Operation Method	Manual / Auto
Positioning Method	Bar Code
Power Supply Mode	Slip Line

Software Product

3D SCADA

The 3D monitoring platform is a 3D visualization system that can display the operating status of the equipment accurately. The system can perform synchronous monitoring of on-site equipment based on on-site configuration, and can also simulate equipment signal to input for stress testing and detailed optimization of project

SFP

SFP includes user management module, reimbursement module, PDM module, material management module, project management module, business quotation module, MRP module, procurement module, supplier module and warehouse management module, which is an important software platform for building a smart factory.

WCS

WCS is a management control system between WMS and PLC. It is responsible for receiving tasks from the WMS, directing the path splitting, task assignment, transferring tasks to specific equipment PLC, and driving the production line to complete the conveyance of the specified containers to achieve the transfer of goods.

RDS

RDS is responsible for real-time calculation of regional pressure, reasonable and balanced distribution of the corresponding regional transportation flow, can do the real-time planning and action instructions for the flow and container destination, and control the equipment group to complete the path distribution and transportation tasks under the overall optimal efficiency.

SDS

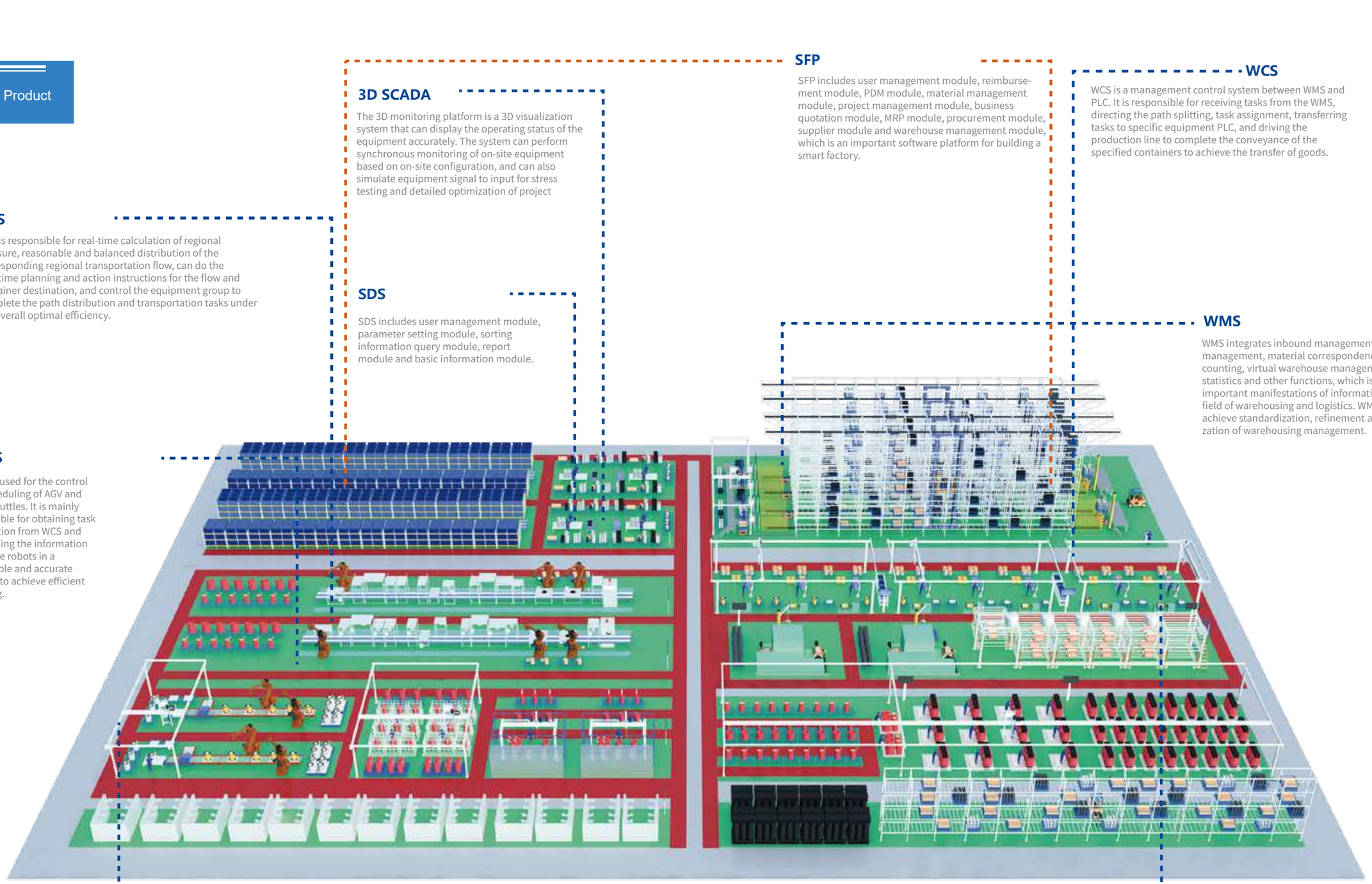
SDS includes user management module, parameter setting module, sorting information query module, report module and basic information module.

WMS

WMS integrates inbound management,outbound management, material correspondence, inventory counting, virtual warehouse management, inventory statistics and other functions, which is one of the important manifestations of informatization in the field of warehousing and logistics. WMS helps to achieve standardization, refinement and systematization of warehousing management.

VMDS

VMDS is used for the control and scheduling of AGV and multi-shuttles. It is mainly responsible for obtaining task information from WCS and dispatching the information to mobile robots in a reasonable and accurate manner to achieve efficient handling.



PDS

PDS activates the picking tasks in the corresponding area selectively through the information of the materials to be picked in the container that are currently transported, and display the progress of the current picking tasks on the device in real time to improve the efficiency of on-site operations. PDS cooperates with RDS to balance the internal operating pressure in real time which aims to maximize the efficiency of the overall operation from conveying to picking.

MES

MES is a set of production information management system for manufacturing enterprises at the workshop execution level. The system manages the production process, product tracking and tracing, electronic batch record management of the production process, exception management, and also process (prescription) management to ensure that the process route and production process can be controlled.

Service Advantages

One-stop Turnkey Project

科捷智能科技股份有限公司业务范围涵盖项目规划咨询、系统集成设计，设备研发制造、软件研发实施、以及全生命周期立体化的售后服务。我们拥有丰富的项目管理经验和供应链保障资源，从设计规划、供货实施、试运行合格验收、客户培训指导到项目的最终移交，全程拥有一系列标准交付流程。我们拥有满足市场需求的全系列智慧物流装备的自研发制造及集成能力，同时能为智能制造项目研发生产客制化智能装备，强大的软件研发团队能满足客户定制化需求，高效的项目交付能力，为客户量身打造一站式安心交钥匙工程 。

KENGIC Intelligent Technology Co.,Ltd. provides service from system consultation, integration design, equipment R&D and manufacturing, software development and implementation and life-time after-sales service. We have rich project management experience and supply chain resources, from design planning, supply implementation, trial run qualified acceptance, customer training guidance to the final handover of the project, the whole process has a series of standard delivery process. We have the ability to develop, manufacture and integrate a full range of intelligent logistics equipment to meet market demand. At the same time, we can develop and produce customized intelligent equipment for intelligent manufacturing projects. We have a strong software development team and efficient project delivery capability to create one-stop turnkey projects tailored to customers' needs.

Advantages of After-sales Service

Customer - Oriented

Professional first-line after-sales service team of more than 100 people and expert team of more than 20 people to meet customer needs throughout the process

Professional Support

Provide fast and reliable professional support with a full set of standard delivery processes

Special Service

Practice-oriented, diversified and flexible service solutions tailored to clients

Tour Training

Regular theoretical + on-site training for service and maintenance personnel to continuously improve their operational capabilities

After-sales Service Capability

24/7 Fast Response

- Spare Parts Replacement
- Resident Services
- Maintenance and Renovation
- Inspection and Maintenance
- Customer Center
- Paid After-sales Service