

**JONO<sup>®</sup>**

6 KEY TECHNOLOGIES

**CONVEYING  
&  
STORAGE**





# CONVEYING & STORAGE

## Walking Floor



**Working Principle:** By hydraulically drive, the neighbor movable plate at the bottom moves asynchronously to make the material move in one certain direction. A drum that rotates in the same direction as material moves is set at the outlet to control the speed.

**Application:** The pre-quantity and even feeding of MSW, Landfill, Organic, C&D waste. It can also be used as a buffer silo to temporarily store materials.

## Batching Silo for Solid Fuel Storage



**Working Principle:** The processed fuel enters the storage bin for temporary storage, which is conveyed to the chute in the middle of the bin through screw conveyor, and then enters the transfer equipment at the bottom.

**Application:** Solid fuel is fed into mainburner continuously and evenly.

## Rotary Belt Conveyor



**Working Principle:** Under the premise of meeting the requirements of material conveying and feeding point unchanged, the rotary belt conveyor changes the discharging point through rotating conveyor to achieve the multi-point discharging in different periods, so as to improve the utilization of space and avoid the high cost of multiple conveyors.

## Solid Waste Universal Belt Conveyor



**Working Principle:** With the belt made of cotton canvas, nylon, polyester canvas and steel rope, bulk or bales material can be conveyed continuously.

**Application:** It is widely used in coal, metallurgy, power, mining, port, chemical industry, light industry, petroleum and machinery industries.

■ Please refer to the product manual for more equipment.



**HEAVY PLATE CHAIN CONVEYOR**

The heavy plate chain conveyor uses the chain as the traction power, and the metal plate as the carrier. Heavy plate chain conveyor is suitable for large-size and large-weight materials at the front end.

## **T**HROUGHPUT CAPACITY

Belt speed (m/s)	Chain width B (mm)		
	1400	1600	2000
	Delivery amount Q (m <sup>3</sup> /h)		
0.15	80	130	180
0.25	130	200	280

## **I**NPUT SIZE

Belt width B (mm)	1400	1600	2000
Material size (mm)	400	650	850

## **F**EATURES

- It has strong adaptability. This conveyor is suitable for the transportation of bulk and block materials, especially suitable for large size, large specific gravity and high temperature materials.
- The whole structure is compact and firm, and the special metal chain plate can withstand large impact.
- The traction chain has high strength and can be used for long-distance transmission, and can be flexibly placed to meet large-angle material transportation.
- Roller chain drive, stable operation.
- The maintenance cost of the equipment is low.



## ROTARY BELT CONVEYOR

Under the premise of meeting the requirements of material conveying, the rotary belt conveyor changes the discharging point through rotating mechanism, which has reached the goal of multi-point discharging in different periods, so as to improve the utilization rate of space and avoid the high cost of multiple conveyors.

### INPUT SIZE

Belt width B (mm)	500	650	800	1000	1200	1400
Material size (mm)	100	150	200	300	350	350

### TECHNICAL DATA

Shape of idler	Belt speed (m/s)	Belt width B (mm)		
		1000	1200	1400
Conveying capacity Q (m <sup>3</sup> /h)				
Trough type idler	1.0	435	655	891
	1.25	544	819	1115
	1.6	696	1048	1427
	2.0	853	1284	1748
	2.5	1033	1556	2118
	3.15	1233	1858	2528
	4.0	/	2202	2996

### ROTATE DIAMETER AND ROTATING SPEED

Belt width (mm)	1000	1200	1400
Belt speed(r/s)	0.12		
Rotate diameter (m)	6		

### FEATURES

- High throughput capacity.
- Double limit mechanism to ensure safety.
- The bottom rotating structure is firm and reliable.
- Multi-point unloading location is accurate.
- The rotating mechanism responds quickly and steadily.

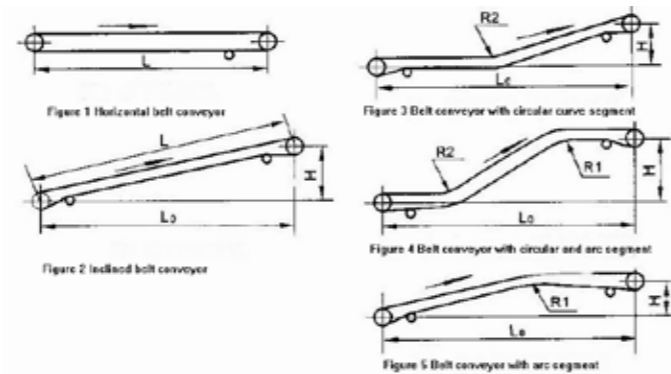


## SOLID WASTE UNIVERSAL BELT CONVEYOR

Solid waste universal conveyor is widely used in coal, metallurgy, electric power, mining, port, chemical industry, light industry, petroleum and machinery industries to transport various bulk materials or articles. With the belt made of cotton canvas, nylon, polyester canvas and steel rope core, it can convey material continuously and stably.

### LAYOUT OPTION

—There are 5 basic layout as below.



## TECHNICAL DATA

Shape of idler	Belt speed (m/s)	Belt width B (mm)					
		500	650	800	1000	1200	1400
Groove type idler	0.8	8	131	/	/	/	/
	1.0	97	164	278	435	655	891
	1.25	122	206	348	544	819	1115
	1.6	156	264	445	696	1048	1427
	2.0	191	323	546	853	1284	1748
	2.5	232	391	661	1033	1556	2118
	3.15	/	/	824	1233	1858	2528
Flat idler	0.8	41	67	118	/	/	/
	1.0	52	88	147	230	345	460
	1.25	66	110	184	288	432	588
	1.6	84	142	236	368	553	753
	2.0	103	174	289	451	677	922
	2.5	125	211	350	546	821	1117
Input size (mm)	/	100	150	200	300	350	350

## FEATURES

- ① Long conveying distance, high throughput capacity with stable operation.
- ② Easy to be integrated into higher control system, which help to improve the automotive operation.
- ③ Good seal structure avoiding block or damage caused by the material.



## WALKING FLOOR

Integrating the material receiving, storing and dosing, walking floor system is used in variety of industries to handle bulk material. Fed by a wheel loader in batch typically, it can discharge material in flow which is always necessary for subsequent material process. Meantime, it also works as a buffering bunker to store material temporarily.

## WORKING PRINCIPLE

By hydraulically driving, the neighbor movable plate at the bottom moves asynchronously to make the material move in one certain direction. A drum that rotates in the same direction as the material

moves is set at the discharging port. By this reasonable combination and the gap between the drum and the movable plate, the material is discharged continuously and evenly.

## TECHNICAL DATA

Model	2100
size	10x2.1x2.5m
Hydraulic drive	11KW
Geared motor	11KW
Feeding roller speed	40 rpm
Floor unit	hydraulic
Ambient temperature	0°C to + 45°C
Voltage	3x380 v±5%/50 Hz
The internet	TNC
Power Control	Frequency converter
Control panel	9 inch Siemens touch screen HMI
Roller unit	1.2m round circumscribed polygon
Discharge gap	100-1000mm
Input size	<1000mm
Volume	10-40m³
Feeding capacity	10-100m³/h

## FEATURES

- Homogenizing roller is made of carbon steel to ensure the structural strength and reduce the weight of the equipment. The shaft and the cylinder are connected by tension sleeves, and the assembly operation is simple and the assembly precision is high.
- Easy maintenance and replacement due to the modular design.
- The bunker wall, feeding plate and the scraping piece on the drum are made of wear-resistant steel plates, which are durable.
- The feeding plates are sealed with each other by a labyrinth pattern, which can effectively prevent materials from entering the gap between the feeding plate to realize self-cleaning.
- The uniform roller is driven by a hollow shaft motor, which is stable and reliable.
- The scrap plate is designed in a multi-spiral structure, which can effectively reduces the winding possibility of the drum and improves the efficiency of the feeding.
- An maintenance door is designed outside to facilitate cleaning operations and maintenance.

# ***JONO***<sup>®</sup>

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