

Motorized Roller Conveyor **MRC**



Chain driven



Ribbed belt driven



Lineshaft driven

INTRODUCTION

It is a welcome motorized conveyors for general material handling. It can be customized as per specific requirement in specifications. Chain driven type is most common form, and besides the conveyor can be also driven by ribbed belt, O-belt, lineshaft, etc. Whatever form it is, this conveyor intends to:

- * Increase the efficiency of material handling work
- * Decrease the intensity of labor, and quantity of labor
- * Protect items from manual impact damages
- * Save overall cost for modern enterprise management

Application:

- *General packed goods delivery from one place to the other
- *Goods confluence and diversion transition, assembly and production

Features:

Large, continuous and flexible in material transferring, easy to maintain, durable



Roller conveyor and belt conveyor combination



Conveyor combination in the production line



Endless roller conveyor for molds assembly



Leveled transferring in distribution line

REF. PICTURES



Conveyor layout as per specific application



OEM lineshaft driven type roller conveyor



Optional chain cover protection design for extra safety



Conveyor line in full stainless steel structure



Optional conveyor motor unit: worm gear motor type



Linear & curved conveyor connection

TECHNICAL PARAMETERS

ITEMS	OPTIONS	ITEMS	OPTIONS
C/V Form	Linear, Curved, Levered, T-shaped, L-shaped, Z-shaped, C-shaped, etc	Driving Form	Chain, Ribbed belt, O-belt, Lineshaft, etc
Roller Type	Zinc-plated, Chrome-plated, Rubber-coated, Stainless steel, Plastic, etc	Roller Diameter	Optional, 50mm as a factory standard
Frame Material	Painted carbon steel, Powder coated carbon steel, Stainless steel, etc	Roller Distance	Optional, 100mm central as a factory standard
C/V specs.	Optional, usually Eft. Width 600mm x Height 700mm as a factory standard	Side Frame Overheight	Optional, 50mm as a factory standard
Speed	Constant or variable, 10-20m/min as a factory standard	Capacity	Optional, 50kg/m commonly designed, max. 1000kg/m

P.S.: *Motorized Roller Conveyor (MRC) can be fully customized as per specific requirements.



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NINGBO MEWHE IMPORT & EXPORT CO., LTD.
 NO. 252 XINGYONG RD, YONGJIANG INDUSTRY ZONE, JIANGBEI 315000, NINGBO, CHINA
 TEL: 86 574 6229 2607 FAX: 86 574 6257 8059
 MOB (24H): 86 133 0663 8833
 EMAIL: CONVEYOR@NBMHE.COM
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Linear Belt Conveyor LBC



INTRODUCTION

It is a customizable conveyor usually applied in transferring loosed-packed or soft-packed items, as well as general packages like cartons, boxes, etc. Often acting as assembly line or loading line, it is customizable in both specifications and forms with more options:

- ***C/V Form:** Lineal, Curved, Levered, L-shaped, Z-shaped, C-shaped, O-shaped, etc
- ***Belt Type:** Optional both in material, color and brand; green or black PVC & white PU most common choices (T=3mm as a factory standard)
- ***Frame Material:** Powder coated carbon steel, Stainless steel, Aluminum profile, etc
- ***Extra Function:** two-side working tables, optional lights, air tubes, tool hooks, operation boards, instrument desks or sockets, etc.

TECHNICAL PARAMETERS

ITEMS	OPTIONS
C/V Specs.	Optional, usually Eft. Width 600mm x Height 700mm as a factory standard
Side Frame Overheight	Optional, usually even or 20mm higher
Speed	Constant or variable, 10-20m/min as a factory standard
Belt Direction	Unidirectional or bidirectional
Capacity	Optional, usually 30-50kg/meter

P.S.: *Lineal Belt Conveyor (LBC) can be fully customized as per specific requirements.



←Leveled PU belt assembly conveyor

Belt conveyor for medical instrument →



←Belt conveyor for cigarette packages

Inclined / Cleated Belt Conveyor IBC / CBC



INTRODUCTION

It is a customizable conveyor working in a tilted way (usually within 25 deg. inclination, cleated belt excepted). It is usually applied in material transferring between different heights for purposes of lifting, loading, unloading, feeding, charging, etc.

***Belt Type:** PVC or PU belt (with baffles or skirts), plastic modular belt (with baffles), steel mesh (with baffles), etc

***Frame Material:** Powder coated carbon steel, Stainless steel, Aluminum profile, etc

***Inclined Height:** Fixed or adjustable

P.S.: *Inclined / cleated Belt Conveyor (IBC / CBC) can be fully customized as per specific requirements.



Inclined cleated belt conveyor



Inclined conveyor with steel slats



Inclined cleated plastic modular conveyor



Inclined belt conveyor between floors



Inclined conveyor in steel steel frames



Inclined conveyor for tobacco



Inclined conveyor in storehouse



Height adjustable inclined belt conveyor

Plastic Modular Conveyor

PMC



INTRODUCTION

It is driven by (plastic) chain wheels, which largely lessens running track deviation. Plastic modular is moulded once with material of hygienic standard, which guarantees the good stability, chemical resistance, and friendliness to environment. Therefore this kind of conveyor is much welcomed in modern production.

Application:

*Slaughter & processing of poultry or livestock, puffed food production lines, fruit packing lines, fishery processing, frozen food production lines, and beverage manufacturing, as well as in medicine and daily chemical industries

Features:

Hygienic and green, little noise, stable, easy to clean & maintain



Driven by Low noise PP material sprocket



Wear-proof guide bar beneath modules



Side guide available and as width control



Food grade POM module for food industry

REF. PICTURES



Levelled modular belt conveyor in production



Plastic modular conveyor with sorters



Inclined plastic modular belt conveyor



Mini light-duty cleated modular conveyor



Modular belt conveyor applied in delivery line



Cleated modular belt conveyor in slaughter

TECHNICAL PARAMETERS

ITEMS	OPTIONS	ITEMS	OPTIONS
C/V Form	Linear, curved, inclined, L-shaped, Z-shaped, C-shaped, O-shaped, etc	Module Material	Optional, usually PP, PE, POM, NYLON, etc
Frame Material	Usually Stainless steel (SUS201, SUS304, SUS316, SUS316L, etc)	C/V Length	Optional, usually part of one conveyor system
C/V Width	Optional, 600mm effective as a factory standard	C/V Height	Optional, 700mm lineal as a factory standard
Side Frame Overheight	Optional, usually with extra side guides	Speed	Constant or variable, 10-20 m/min as a factory standard
Running Direction	Unidirectional	Capacity	Optional, usually 30-50kg/m

P.S.: *Plastic Modular Conveyor (PMC) can be fully customized as per specific requirements.



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Heavy Duty Slat Chain Conveyor SCC-HD



INTRODUCTION

It is usually customized as per specific applications like heavy duty assembly. With a solid structure of bid-pitched chains as the conveying media, it can handle heavy duty load flexibly.

Features:

Good load capacity, simple structure, stable running, easy maintenance, etc



Slat chain conveyor in stainless steel material



Slat chain conveyor connection



Linear heavy duty slat chain conveyor



Slat chain conveyor as an assembly line

TECHNICAL PARAMETERS

ITEMS	OPTIONS	ITEMS	OPTIONS
C/V Form	Linear, curved, inclined, L-shaped, etc	Slat Maerial	Zinc-plated carbon steel, SUS201, SUS304, etc
C/V Specs.	Optional, as per specific application	Frame Material	Powder coated carbon steel, Stainless steel, etc
Speed	Constant or variable, 10-20 m/min as a factory standard	Capacity	Optional, 50kg/meter common designed, max. 1000kg/meter

P.S.: *Heavy Duty Slat Chain Conveyor (SCC-HD) can be fully customized as per specific requirements.

Light Duty Slat Chain Conveyor

SCC-LD



INTRODUCTION

It can be fully customized as per specific requirements, usually applied in beverage / beer industry, food industry, medicine industry, printing industry, cosmetics industry, etc

Features:

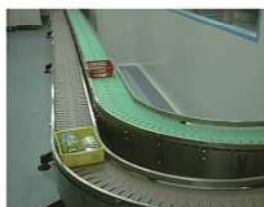
Flexible and simple structure, stable running, easy maintenance, continuous massive material transferring



Beer bottles transferring line



Beverage bottles transferring line



Slat C/V transferring medical tools



Slat C/V connecting to other equipment



Conveyor of steel salts



Double-track plastic slat chain conveyor



Slat chain conveyor accumulation



Slat chain C/V interflow



Triple-track slat conveyor



Steel slat C/V transferring line



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Pallet Conveyor

TPC-LT / TPC-GT



INTRODUCTION

Pallet Conveyor is especially designed for pallet transportation in production / delivery system. Its structure form can be Chain type or roller type. All can be designed and manufactured as per customers' specific application.

Conveyor Form: Chain type / Roller type

Load Capacity: heavy duty 100-2000kg/meter (customizable)

Speed Range: 3-24m/min (customizable)

Pallet Specifications: usually within width 800-1500mm (customizable)

Features:

Big load capacity, simple structured, easy to maintain, cost effective, low noise



- Chain type: usually simplex or duplex chains
- Side guide is designed as per conveying width
- Independent chain tension device is available for each track
- Extra diamond plate is possible between the track.
- Conveyor end can be fixed with stopper.
- Chain guide is used to avoid chain offtrack.
- Motor is mounted underneath frames.
- Every single conveyor can be well connected.

P.S.: The conveyor structure can be different as per different capacity requirement.

REF. PICTURES



Three-Chain-Track pallet conveyor, ground type with height as low as possible



Full stainless steel application with turnover boxes directly on the conveyor



Double chain track with middle gravity rollers



Chain conveyor combined in vertical transfer system



Pallet conveyor combined with film packing machine

ALTERNATIVE PALLET CONVEYOR



Roller type is also popular especially in accumulation.



Pallet roller conveyor can be flexible in layout.



Pallet roller conveyor end section for pallet removal



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Spiral Conveyor LXC



INTRODUCTION

Spiral conveyor is a helpful vertical conveyor solution. Two driven models are available: motorized and gravity, and the powered one can transfer cargos up and down. Conveyor is fully customizable.

Conveyor Belt: plastic/steel rollers(gravity), chain slats (powered), modules (powered)

Frame Material: carbon steel, stainless steel

Application: unload items from high floors to the ground or transfer up and down freely, especially welcome in industries of food and beverage, tobaccos and medicines.

Features:

Space saving, high-efficiency vertical cargo delivery, easy to operate, maintain and store.



Roller option: straight or coned; plastic or steel



Curve number and inclination angel are optional.



The input / output end can be connected with other conveyors.

REF. PICTURES



Conveyor height is max. 20 meters & one motor can drive max. 6 meters.



Take up only small space in the corner



Possible to deliver a fully completely assembled unit

TECHNICAL PARAMETERS

P.S.: * Specifications are fully as per your specific need.

* Belt width, top height, bottom height and height difference are most important required information from you.

* Many input and output options are available, including same side, opposite side, parallel side, vertical side, etc.

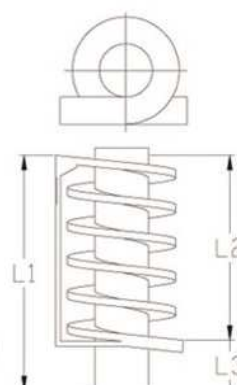
Belt width : _____ mm

L1: _____ mm (Top height)

L2: _____ mm (Height difference)

L3: _____ mm (Bottom height)

Input & Output Options



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Belt / Roller Curve Conveyor CC-B / CC-R



INTRODUCTION

Most common forms of curve conveyors are belt curve and roller curve, which are usually applied to conveyor lines with other equipment. Apart from the turning features, they own all the characteristics of general roller or belt conveyors. All curves can be tailor made as per specific situations.

Belt Curve Conveyor (CC-B):

Available in 90 degree type (CC-B90) & 180 degree type (CC-B180)

Roller Curve Conveyor (CC-R):

Available in 90 degree type (CC-R90) & 180 degree type (CC-R180), & gravity type



CC-B90 in carbon steel



CC-B90 connection



CC-B180 in PU belt



CC-B 90 in PU belt



CC-R90 in carbon steel



Coated roller CC-R90



Coated roller CC-R180



Gravity roller CC-R90

TECHNICAL PARAMETERS

ITEMS	OPTIONS	ITEMS	OPTIONS
C/V Material	All optional in belt, roller, frame material, etc	C/V Specs.	Optional, Eft. W 600mm x H 700mm as a factory standard
Turning Radius	Optional, 900mm inner radius as a factory standard	Speed	Constant or variable, 10-20 m/min as a factory standard
Running Direction	Usually unidirectional for CC-B, and reversible for CC-R only	Capacity	Optional, usually 30-50kg/meter

Pop Up Wheel Diverter / Sorter FJ-W



INTRODUCTION

Pop up wheel diverter is a simple structured core part of a sorting system. It is designed with independent control but quite compatible to the main system via Ethernet communication. To cooperate with other equipment, the diverter works as long as signal is detected, which makes the commissioning work much easier. Action controlled by Servo motor, precise & efficient turning is guaranteed. It is highly welcome in express company. Material: PU coated friction sorting wheels, PU O-belt, 4mm thick carbon steel frames, etc. Diverting angles: 30, 45, 60, 75, 90 degrees



90 Deg. double side sorting diverter



Diverters with single side sorting



45 Deg. Diverter w/ roller systems

TECHNICAL PARAMETERS

Model No.	Common Specifications	Capacity	Cargo Size (mm)	Speed (m/min)
FJ-W680	L740*W680*H800±50mm	50kg/sqm	Max. L740*W680*H800, 40kg Min. L100*W100*H10, 200g	Max. 120
FJ-W820	L850*W820*H800±50mm	50kg/sqm	Max. L850*W820*H800, 40kg Min. L100*W100*H10, 200g	Max. 120
FJ-W1000	L1020*W1000*H800±50mm	50kg/sqm	Max. L1020*W1000*H800, 40kg Min. L100*W100*H10, 200g	Max. 120

Hydraulic Lift **HPT**



INTRODUCTION

Hydraulic Lift is fully to be customized, usually applied in industrial & mining factories, medicine industry, logistics industry and all sorts of production lines to facilitate goods handling works. The hydraulic system follows the designs of anti-explosion to enhance its operation safety. The machine is of manganese steel structure with huge load capacity. Its exact specification is as per customer's different requirements. The control option includes up-down control, ground control, and multi control.

Application:

*Elevating or unloading goods between basements and stories, elevating stages / operation tables, etc.

Features:

Huge load capacity, nice figure, simple structure, little breakdown and easy operation & maintenance



Safety protection: range limit switch



Optional stopper on the platform



Optional pedal control for lifting and lowering



Quality guaranteed hydraulic unit

REF. PICTURES



1. The platform of a hydraulic lift can be optional, eight motorized / gravity conveyors (roller & belt) or just steel plate.

2. The scissors of a hydraulic lift is also optional as per different load capacity and lifting height. Multi-scissors guarantee the stability & safety.

3. Customized hydraulic lift can be equipped with wheels to move around easily.

4. Simple structured light duty hydraulic lifts are available for storehouse uses.

TECHNICAL PARAMETERS

ITEMS	OPTIONS
Lift Platform	Steel plate, Gravity rollers, Motorized rollers, Belt, etc
Scissors Form	Single scissors, double scissors, single multi-scissors, double multi-scissors
Platform Size	Optional, as per specific purposes
Height Range	Optional, both for folded height and lifted height
Lifting Time	Optional, as per specific need
Capactiy	Optional, usually 1000-3000kgs
Control Options	Manual control box, Pedal control, Multi control, etc

P.S.: *Hydraulic Lift (HPT) can be fully customized as per specific requirements.



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 NO. 252 XINGYONG RD, YONGJIANG INDUSTRY
 ZONE, JIANGBEI 315000, NINGBO, CHINA
 TEL: 86 574 6229 2607 FAX: 86 574 6257 8059
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Flow Roller Rail / Track SP-L



INTRODUCTION

It is composed of flexible rollers or skate wheels, widely applied in material racks in warehouse storage as slide rails, as well as guide rails. It is also welcome in assembly lines and distribution centers for sorting purposes. It has many options in both material and specifications (roller diameter, pitch, thickness, etc.)

Frame material options: Reinforced metal plate (galvanized/coated), Aluminum profile

Galvanized frame size (W*H:mm): 40*33, 60*33, 60*25, 85*33, etc.

Aluminum frame size (W*H:mm): 44*33, 41*35, 30*22, etc.

Roller Material: PE/ABS/NYLON/steel rollers or skate wheels with bearings



Racks with flow rails



Classic warehouse racks



Flow roller rails on lean pipe rack



W/ nylon rollers



Applied for material storage



Flow roller rails in express company



Flow roller rails in distribution center



Flow rails of steel rollers

Conveyor Roller SP-R

Rollers are fully customized, including specifications, load capacity and special features.
Roller Sort: Gravity roller, Sprocket roller, V-ribbed roller, Coated roller, Grooved roller, Coned roller, Machined rollers, etc.

Roller Material: Zinc/Chrome-plated steel, #201 #304 stainless steel, Rubber/PU coated, Plastic (PVC / PP), etc.

Shaft Type: Hexagonal shaft, Round shaft, Spring loaded, Male / Female threaded, Flatted, Pinned, Slotted, Grooved, etc.

Roller Diameter (common): 20mm, 38mm, 50mm, 60mm, 76mm, 89mm, etc.



Spring loaded round shaft



Gravity roller with shaft flatted



Roller with female threaded shaft



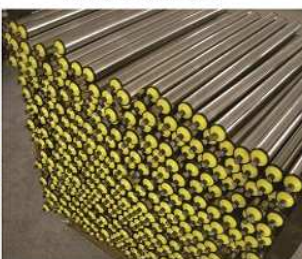
Roller with rubber protection



Roller with pinned hexagonal shaft



Steel/Plastic sprocket roller



Stainless steel roller with plastic seal



Plastic roller (PP /PVC material)



Rubber coated gravity roller



PU coated roller (color optional)

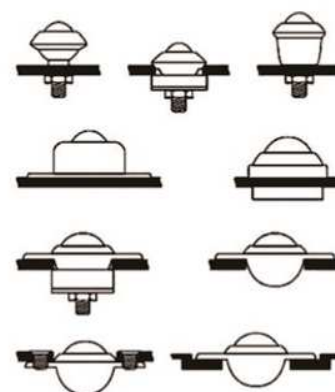
Universal Steel Ball SP-B

Universal ball is well applied in conveying system, feeding system, processing system, packing system, etc. The choice of balls depends on the different capacity requirement and application surroundings.

Ball Material: Galvanized carbon steel, #201 stainless steel

Housing Material: Galvanized carbon steel, #304 stainless steel, reinforced nylon

Mounting Type: Flange mounting, Bolt/Stub mounting, etc. (Right figure is the most common ones.)



Common flange mounting type



Common stub mounting type



Bolt down disk type



More shaped steel balls available

Delivery & Distribution Line



1. Beer bottle and packed cartons delivery line



2. Beer bottle cases delivery roller c/v system



3. Beer bottle distribution on slat chain c/v system



4. Beverage bottles delivery on slat chain c/v



5. Coke package delivery line after shrinking



6. Bottles accumulation line on slat chain c/v



7. Belt c/v combination in food industry



8. Belt c/v distribution system



9. Double-track plastic slat chain c/v line



10. Cartons delivery system with interflows



11. Cartons distribution with roller conveyors



12. Cartons distribution with slat chain conveyors



13. Cases delivery line in warehouse



14. Cases delivery with roller c/v in warehouse



15. Cases interflow roller conveyor section



16. Delivery line between floors



17. Endless roller c/v line for dustbins delivery



18. Gravity ground roller conveyor lines



19. Roller c/v delivery line for hubs



20. Roller c/v delivery line for tyres & hubs



21. Leveled conveyor system in storehouse



22. Leveled roller c/v delivery line



23. Leveled roller c/v lines in warehouse



24. Roller c/v system for bottle delivery



25. Interflow line with belt and roller c/v



26. Storage battery unit delivery line



27. Oil cans delivery after charged



28. Roller conveyor line for oil cans



29. Roller conveyor in packing system



30. Pallet delivery in racking systems



31. Roller c/v system for cartons delivery



32. Package distribution line on belt conveyors



33. Package distribution line with roller conveyors



34. Loading soft woven bags from storehouses



35. Loading items from a warehouse corner



36. Offload stacked bags and load to a container

P.S.: Above conveyor system examples are for reference, and different sorts of delivery and distribution lines are fully customizable as per specific situations and requirements.



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Production & Assembly Line



1. Belt assembly line with side tables, lights, etc



2. Double leveled belt assembly line



3. Belt assembly line with working stations



4. Electric parts production line



5. Assembly line for electronics



6. Belt conveyor production line



7. Endless belt conveyor assembly line



8. Electrical products assembly line



9. LCD production line (truck/pallet type)



10. Endless pallet assembly line with tracks



11. Pallet assembly line on roller conveyors



12. Kettle assembly line on pallet



13. Endless plastic modular c/v line



14. Chain conveyor assembly line



15. Water dispenser production line



16. Air conditioner production line



17. Refrigerators production line



18. Roller conveyor assembly line



19. Gravity universal ball assembly line



20. Overhead hanging production line

Other Conveyors



1. Hydraulic lifting inclined conveyor



2. Two-wing multi-height loading conveyor



3. Solid full steel loading and unloading conveyor



4. Gravity Skate wheel unloading conveyor



5. Z typed vertical conveyor outdoors



6. Vertical bottle clipping conveyor



7. Full stainless steel wire mesh conveyor



8. Wire mesh conveyor with cleats



9. Roller Belt turning combination



10. Vertical angle turning conveyor



11. Roller with teflon as laminater outlet conveyor



12. Belt driven idle roller conveyor



13. Endless chain truck conveyor for cooling



14. Differential chain storage line



15. Gravity rubber coated roller turn table



16. Assembly line with swivel turning table

P.S.: Above conveyor examples are for reference, and they are fully customizable as per specific situations and requirements.



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