

DAS SYSTEMS

- Undertakes Project Works,
- Pipeline Projects,
- Conveyor Projects,
- Installation / Modification
- Mfg. Material Handling Equipments & Solutions



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Monorail conveyor / I-beam conveyor

Monorail overhead conveyor systems track is specially roller I- beam sections.

I-beam overhead conveyor track is available in 3" 4" 6" sizes.

I-beam monorail trolley conveyor track is stocked 18 feet length and can be cut to any required lengths. "X" type rivet less chain used in **overhead trolley conveyor system** the chain combines simple construction and exceptional strength. The chain is available in size x348, x458, x678.



Features:-

I-Beam monorail overhead Conveyors are designed for handling heavy materials / longer loops. Capacity - Heavy duty forged chain and trolleys

Overhead conveyors are designed for rugged, long term use

Drop forged, rivet less chain is highly flexible and requires no tools for assembly.

Open track and chain design, all components are exposed and visible

Specifications:-

Trolley size	6"	4"		3"
Drop	10"	8"	7 3/16"	5 ½"
Single trolley capacity	545	200		90
Capacity with load bar arrangement	1000	400		180
Chain size	6"	4"		3"
I-beam size	ISMB 150x80	ISMB 125x70		ISMB 75x60

Application:

- Material transfer
- Painting
- Surface coating
- Pretreatment plants
- Powder coating lines
- Plastic painting lines
- Delivery lines
- Storage lines

Bi Planner Chain Conveyor / Four Wheel Chain Conveyor

A widely used overhead conveyor for load capacity up to 100kg

Four Wheel Bi Planar Chain Overhead Conveyor are highly durable and available in different shapes and sizes according to the customization demand. The chain is available in. 6", 8", 10", 12" pitch. Minimum component hooking pitch is double.

Drive Unit: Sprocket type/caterpillar type is available,

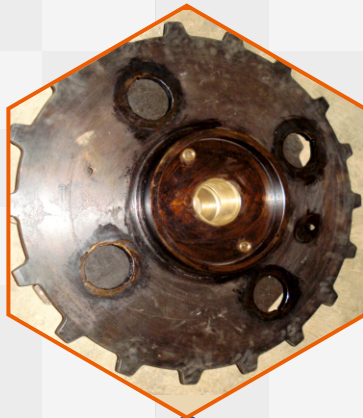
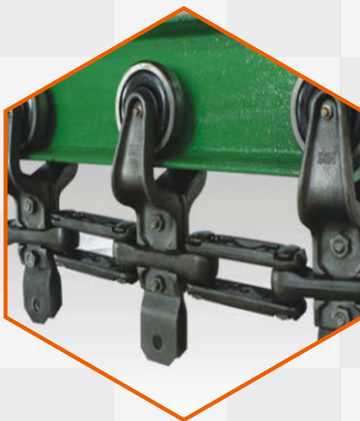
Application:

- Material transfer
- Painting
- Surface coating
- Pretreatment plants
- Powder coating lines
- Plastic painting lines
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Chain pitch	6"	8"	10	12
Hooking pitch	300 mm	400mm	500mm	600mm
Capacity in KG single point hooking	50 -55	50-55	50-55	50-55
Load bar arrangement hooking pitch	600	800	1000	1200
Capacity with load bar arrangement with per hooking	100-110	100-110	100-110	100-110

Spares overhead conveyor



SLAT CONVEYORS

Slat conveyors :-

Slat conveyor plan functions by connecting discretely spaced slats to a low friction roller chain. Slat conveyors are used to convey raw material to finish goods in vehicle assembly lines. Slat conveyors are mainly used in production lines, packaging lines, handling hot material in forging industry.

Features:-

- Rigid steel construction
- Easy to carry heavy load up to 10000kg
- Minimum down time and cost no maintenance
- Easy to customize the fixtures on the slats

Specification:-

Width	300mm to 1200mm
Length	2 meter to 35 meter
Speed	1 to 3 mtr/ min
Capacity	Up to 10000 kg
Material of the conveyor	MS / SS



Hing Belt / Steel Belt Conveyor



Applications:

- Material handling
- Load carrying
- Weight transfer

Specifications:

- Capacity: 1-100 ton
- Material: MS
- Length: 22 m

Steel Belt Conveyor has a robust size stabilizers which automatically come in contact with the ground when the forks reach a correct height. These are available in various load carrying capacities, multiple fork lengths, and spans. The easy-to-operate item can assist in lifting or lowering the goods Hinge metal belting is incredibly durable is often used for machine chip and scrap removal.

Applications for this type of belting include:

- Wet or dry operation
- High temperature operation
- Machine tool chip removal
- Whole plant chip and scrap removal
- Die cast operations
- Parts handling
- Packaging operation
- Inspection
- Stamping operation

CHAIN CONVEYORS

Features :-

- Suitable to heavy impact loads
- No slippage and no transmission losses Cost effective
- Simple and reliable to convey the material



Chain conveyors are used to convey heavy unit loads, like pallets, grid boxes and industrial containers. Chain conveyors are single or double chain strand in arrangement. The load is placed on the chains; the friction of chains pulls the load.

The chain conveyors are used in forging industry, Furness, surface treatment plants like hardening, analyzing etc.

Width	Customized
Length	1 meter to 15 meter
Speed	1 to 6mtr/ min
Capacity	700 to 800 kg / meter
Material of the chain	MS /SS

Gravity Roller Conveyor

Gravity roller conveyor is manufactured in MS /SS round tube .the shaft with bearing at both ends with suitable load capacity is placed. **Roller conveyors** are used to transfer boxes, bins, pallets.

Material handling roller conveyors are used in transfer lines, auto component handling, food processing, dairy industry Our **Gravity Conveyors** are a low-cost and essential solution to freely move goods at any stage of an operational line. **PU coated Roller conveyors** are Able to move heavy and awkward shaped items,. The units are incredibly flexible as they feature innovative interlocking sections.



Surface option for rollers :-

- Zinc Plating
- Chrome Plating
- PU Coating
- Food Grade Silicon Rubber
- PVC Sleeve
- Food Grade Silicon Sleeve

Features:

- Easy to operate
- Excellent conveying mechanism
- Sturdy
- Most suitable for unit loads
- Cost effective,
- Possessing long life
- Low maintenance

Specification:-

Width	Up to 1200mm
Length	Up to 100 meter
Material of the conveyor	MS /SS

BELT CONVEYOR

Belt conveyors are used for the movement of the material from one position to other positions in production industry. Belt conveyors are mainly used in Assembly lines, food processing, pharmaceuticals, bag handling, packaging, auto components handling and inspection at various location.

Our belt conveyors are ...

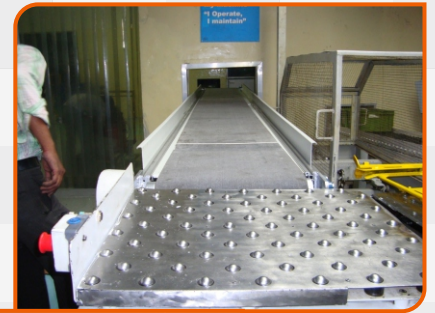
- Robust design
- Simple construction
- Light weight
- Operational consistency
- Highly energy efficient
- Low maintenance

Specification :-

Width	100 mm to 1500mm
Length	1 meter to 25 meter
Speed	2 to 20 mtr/ min
Conveyor Belt material	PU/PVC
Supporting Structure	Aluminum / MS / SS
Load capacity	150kg/ mtr

TYPES OF BELT CONVEYOR

- Pu Belt Conveyor
- Pvc Belt Conveyor
- Canvas Belt Conveyor
- Teflon Belt Conveyor
- Nova Belt



MOTORIZED ROLLER CONVEYOR



Motorized roller conveyor is manufactured in MS /SS round tube .the shaft with bearing at both ends with suitable load capacity is placed. The sprockets are in steel En-8 with hardened. Also sprockets are located in SS martial as per application Motorized roller conveyors are used to transfer boxes, bins, pallets. Gravity conveyors are used in transfer lines, logistics industry, ware houses, auto component handling, and food processing, dairy industry

Surface option for rollers:-

- Zinc Plating
- Chrome Plating
- PU Coating

Features :

- Easy to install
- Rigid to convey heavy load
- Cost effective
- Simple and reliable to convey the material
- Dust cover for bearing housing

Specification:-

Width	up to 1000mm
Length	Up to 100 meter
Load capacity	Up to 2000kg
Material of the conveyor	MS /SS

BALANCE WAVE WIRE MESH BELT CONVEYOR

Balance wave belts are an economical, general use belt for medium load applications. Balance wave belts are widely used in temperature from 40 - 1500 degrees F. Balance wave belt is the most commonly worldwide in many food processing applications (from draining to cooling) as well as industries ranging from ceramic, glass and metalworking.



Material Specification of the belt :

- High Carbon Steel, Galvanized, 3% Chrome/Chromium, Manganese,
- 304 Stainless Steels,
- 316 Stainless Steels,
- 314 Stainless Steel, 316L,
- 310 Stainless Steel,
- Inconel 600, Inconel 601, Inconel 625

Applications:-

- Glass annealing lehr
- Decorating lehr
- Sintering & brazing furnaces
- Hardening and tempering furnaces
- Salt industry
- Food industries
- Forging industry
- Quenching tanks
- Shrink packaging machines
- Leaf spring units
- Tire industry

COMPOUND BALANCE WEAVE WIRE MESH BELT

Compound waves offer an extremely close and flat mesh for applications where very small items are being conveyed. Compound Balance weave is an economical, general use belt for medium load applications from 40 - 1500 degrees F. It is the most commonly used wire mesh conveyor belt worldwide including many food processing applications (from draining to cooling) as well as industries ranging from ceramic, glass and metalworking.



Cord weave belt is known within the industry as "Compound Balanced (CB)" belt. Compound balance weave has multiple spirals and cross roads per pitch. Which effectively creating a "belt within a belt". This compound structure closes up the spaces within the belt, it gives Compound balance weave its characteristic high density and flat surface.

Available metals :-

- 304 Stainless Steels,
- 316 Stainless Steels,
- 314 Stainless Steel,
- 316L, 330 Stainless Steel,
- 430 Stainless Steel,
- 35-19cb, 80-20 cb,
- Nichrome

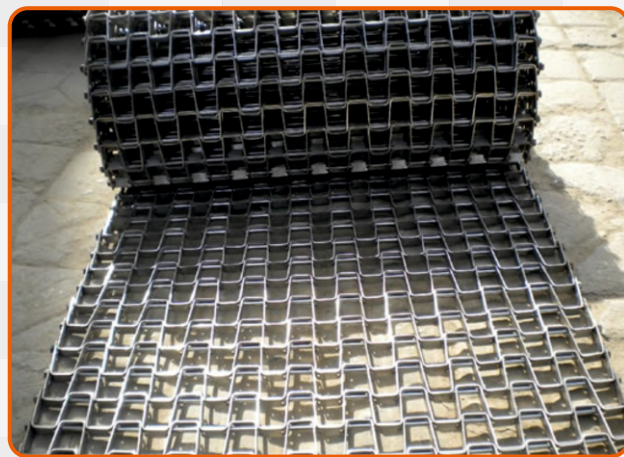
Applications:

- Heat treating of small fasteners
- Furnaces curtain
- Electroplating
- Heat treatment
- Analysing
- Hardening
- Drying conveyors
- Baking food products
- Elevating
- De-elevating
- Transfer
- Forging industry

HONEY COMB BELT / FLAT STRIP BELT

Honey comb belt is constructed from formed cross rods and flat metal strips. Honey comb belt is good choice which requires both durability and open belt design. Honey comb belt open mesh construction for quick and for air circulation. Belt is easy to clean. Belt is easy to assemble.

Honey comb belt is also known as flat wire belt .the belt is straight ruining belt with extremely high strength to weight ratio.



Application :-

- Casting
- Baking
- Drainage
- Packaging
- Drying
- Washing,
- Cooling
- Cooking
- Freezing
- Heating
- Weed clearing
- Sorting
- Recycling
- Loading
- Painting
- Assembly

Belt Material Available
SS304, SS316, ss310

Opening Sizes

- 1" x 1" ,
- 1/2 " x 1/2"
- 1/2" x 1"

● HEAVY DUTY BELTS:

1/2" Belt Height, with 5 mm cross rod for heavy duty belts

● STANDARD DUTY BELTS:

3/8" Belt Height, with 3mm cross rods for light duty belts

Sprocket Material :-

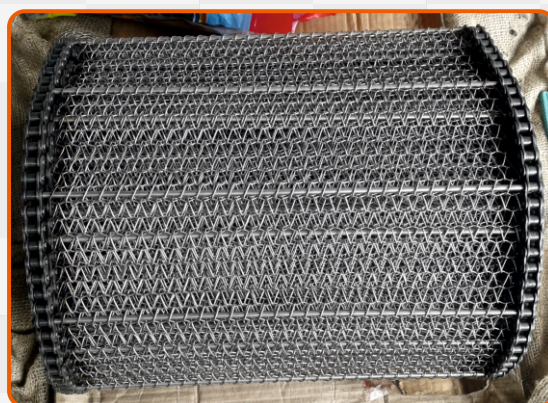
- **CAST IRON** : Cast from high grade iron
- **STAINLESS STEEL** : 304 Stainless (316 Stainless available on special order)
- **PLASTIC** : Uhmw polyethylene sprockets. Can withstand continuous temps up to 180 Deg F
- **STEEL** : Used for flangeless and 1/2 x 1/2 True series sprockets
Cast nylon-6 FDA approved

CHAIN WEAVE BELT CONVEYORS

(Engineering Series Roller Chain Weave Belt)

The Engineering Series Roller Chain conveyor belt is similar to the extended pitch roller chain but is of heavier construction and greater strength. It has greater clearances then precision roller chain and is specifically engineered for use in applications or environments where dirt accumulation or inadequate lubrication may occur. It is typically used in handling heavy loads in washing and drying, for quench bath operations, for handling heavy stampings and forgings and similar work

Balance wave wire meshes can be driven by side chains using cross rods. These rods are located through mesh and through chains at the edges of mesh. . Depending up on the mesh cross pitch cross rod may take the place through the cross wire .these cross rods are finished outside chain edges with welded washer.



Applications:-

Auto component washing lines
Cleaning
Transfer
Cooking
Heating
Annealing
Curing systems
Forming
Baking systems
Food processing
Forging
Chemical industry
Wrapping
Bottling industry

Available Chain:-

- MS transmission chain 1/2", 5/8", 3/4", 1"
- MS conveyor roller chains pitch 1", 1.5", 2", 2.5", 3"
- SS304, SS310, SS316 transmission chain 1/2", 5/8", 3/4", 1"
- SS304 conveyor roller chains pitch 1", 1.5", 2", 2.5", and 3"