



**The GLOBAL Energy
Conservation Company**



ENCON



About Us

ENCON THERMAL ENGINEERS is a corporate company catering to INDUSTRIAL HEATING NEEDS of the Industry in India & Overseas for over 3 decades now. After repeated demands from the customers for **MATERIAL HANDLING SOLUTIONS**, ENCON ventured into design, manufacture and installation of complete Material Handling Systems on a turnkey basis. We also take up **retrofitting** work on existing systems.

In the brief time of our starting up we have already given solutions to companies such as DCM Engineering, Force Motors, Tata Motors, etc..

WHY OPT FOR 'ENCON' CONVEYORS?

**Expertise • Knowledge • Manufacturing know-how
Equipment Testing before shipment • Quality • On time Delivery**

SLAT CONVEYORS

Slat Conveyors are moving worktables in which the slats are carried on two strands of roller chain.

Applications:

Food manufacturing: As these are versatile in handling a multitude of products right from the raw materials through the manufacturing processes to the finished products

Air conditioners / Generator units / Hot Water Heater Assembly: Heavy duty versions fitted with steel plate slats are used here.

Two Wheeler Assembly/Car Assembly : These conveyors are generally used for the assembly lines for vehicles.

Advantages:

Any Level Usage: Can be designed and installed at floor level / working height level / at different levels in which part of the run may be at floor level and rest at upper or lower level depending on the requirement.

Adjustable Speed: The speed can be adjusted according to the operational requirements

Tailor made to suit the application requirements



PRODUCTS



OVER HEAD I-BEAM CONVEYOR

Over Head I-Beam Conveyors are designed to travel in any direction and to go up and down from level to level.

Applications:

Paint Lines, Parts Transfer , Feeding & Oven applications

Advantages:

Any Direction & any Level Usage: The Chain used is X-458 & X-678 and is rivet less, forged link, heat treated, universal chain for maximum flexibility in all directions

Assembled & disassembled without Tools: As the rivet less chain comprises of Middle links, side links and chain pins

Long life and trouble free running: As the Trolleys are forged from alloy steel with hardened rollers with anti friction ball bearings.



LIGHT DUTY OVER HEAD CONVEYOR

The Light Duty Over Head Conveyor provides the perfect cost effective solution of unit loads through the many processes of modern manufacturing and allied industries.

Applications: Suited for any Industry that need to transport loads up to 75 kgs on individual pendants or 150 kgs on load bars.

Paint line, Part feeding applications cum storage.

Advantages: Cost effective

By Planer Chain providing flexibility for any direction.



CHAIN ON EDGE CONVEYOR

Chain On Edge Conveyor provides a reliable means of carrying loads on irregular surfaces. The trolleys are wheel mounted on tracks and towed by a central chain. The chain is rivet less forged chain which can be mounted below floor level or alternatively at floor level to avoid the necessity of excavation. Drive unit for this type of conveyor is either sprocket type or caterpillar type.

Applications:

Suites for paint shop application, Assembly applications as well as body shop applications for automobile manufacturing units.

Advantages:

Ideal for irregular surfaces

Flexibility: These conveyors offer great flexibility, enabling a wide variety of different operations to be carried out speedily and efficiently including assembly, welding and painting operations.

- Very less wear and tear.

SKID CONVEYOR

This is a Conveyor system for carrying skids and supporting products to be assembled on Assembly lines.

These conveyors can be installed above the floors or flush with floors. The additional material handling equipment such as **Turn tables, Transfer cars**, etc. can also be designed and supplied.

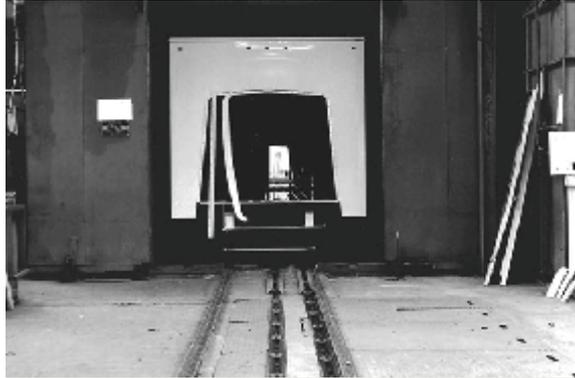
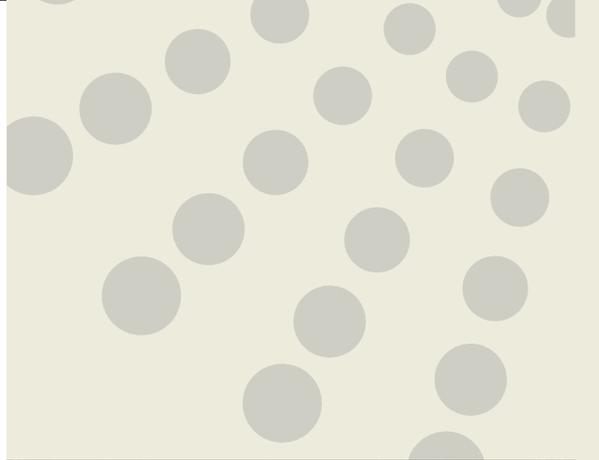
Applications:

Assembly Lines, Paint Shops, Body Shop Operations

Advantages:

Flexibility: The dual track design of the conveyer provides stability and allows in line accumulation and offers the additional flexibility with the production requirements.

- Cross Transfers are possible with the help of Transfer cars & Turn tables.
- Re-circulatory loops can be designed to archive the required item.



DOUBLE CHAIN CONVEYOR

Double Strand Chain Conveyors are heavy duty ideally suited for installation where the continuous movement of heavy loads is required.

These loads rest directly either on the twin conveyor chains or on the skids resting on the chain, which are then returned to the starting point after the job is offloaded.

The double strand method offers a high degree of working versatility as assembly operations can be carried out simultaneously on top of the conveyor, underneath it or from either sides.

Applications:

Commercial vehicles, Tractor Industry

Advantages:

Versatility: The double strand method offers a high degree of working versatility as assembly operations can be carried out simultaneously on top of the conveyor, underneath it or from either sides.

- Heavy load carrying capacity of the conveyor.
- Maintenance is very easy because the chain is visible.



OVER HEAD POWER & FREE CONVEYOR

Over Head Power & Free Conveyors facilitate various speeds through production areas, selectively stopping for automated loading, unloading or processing operations, accumulation of product carriers to minimize downtime and unlimited flexibility of plant layouts.

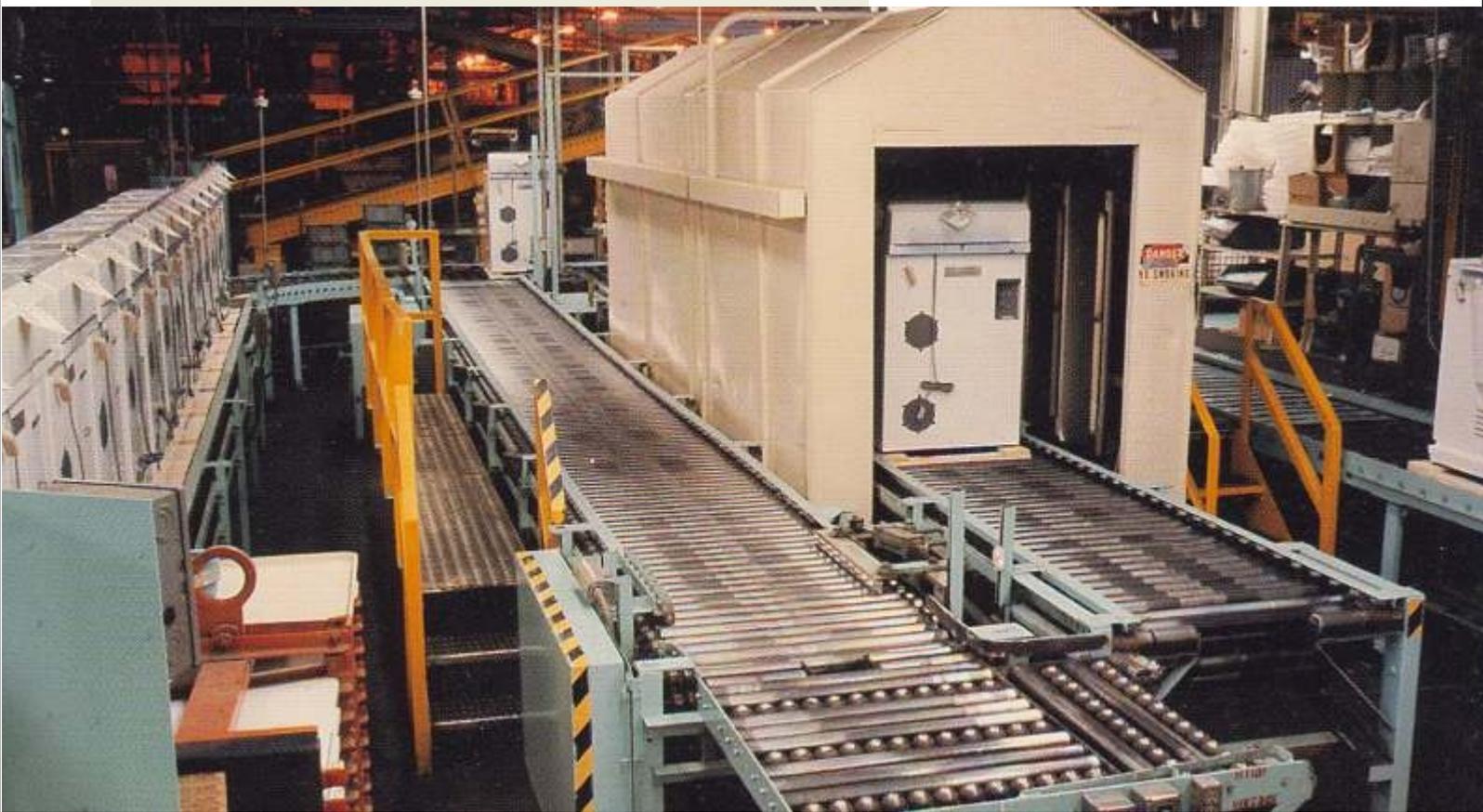
Drop Lifts are also designed and manufactured by us. These Drop lifts are used for lifting the product from Floor Conveyor / Trolley to the Power and Free conveyor.

Applications:

Industries where products of any size and shape are **to be delivered at high speeds to multiple locations** within a manufacturing & assembly plant

Advantages:

- **Most versatile & Cost Effective:** Over Head Power & Free Conveyors are the most versatile and cost effective material handling system available in the industry.
- Feeding the part from one source to different locations is possible utilizing the track switches.
- Re-circulatory loops can be designed to access the required item.



ROLLER CONVEYOR

We are manufacturing two types of Roller Conveyors:

(1) Plane Conveyor and (2) Powered Roller Conveyor.

The manually operated (plane) roller conveyor is the most widely used conveyor in the Industry. In the Powered Roller Conveyor, the power is transferred to the roller through a chain & sprocket drive system. These Conveyors are also supported with turn tables and lifter.

Applications:

For handling different type of applications such as for transferring packets , In machine shop for the components having plane machined surface. Roller conveyors can also be used in combination with chain conveyor, free flow conveyor as per the requirement.

Advantages:

- Simple design
- Cost effective
- Can be used on Floor as well as over head.
- Can be supplied in unit modules. Thus reducing the installation time.



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