

CONVEYOR SYSTEM

Conveyor System

We can design for our customer with whole –plant of conveyor system. We offer different type and version of conveyor, like Tabletop chain conveyors, Crate / Carton / Tray conveyors, Air conveyor, Bottle upside-down sterilizer etc.

Air Conveyor

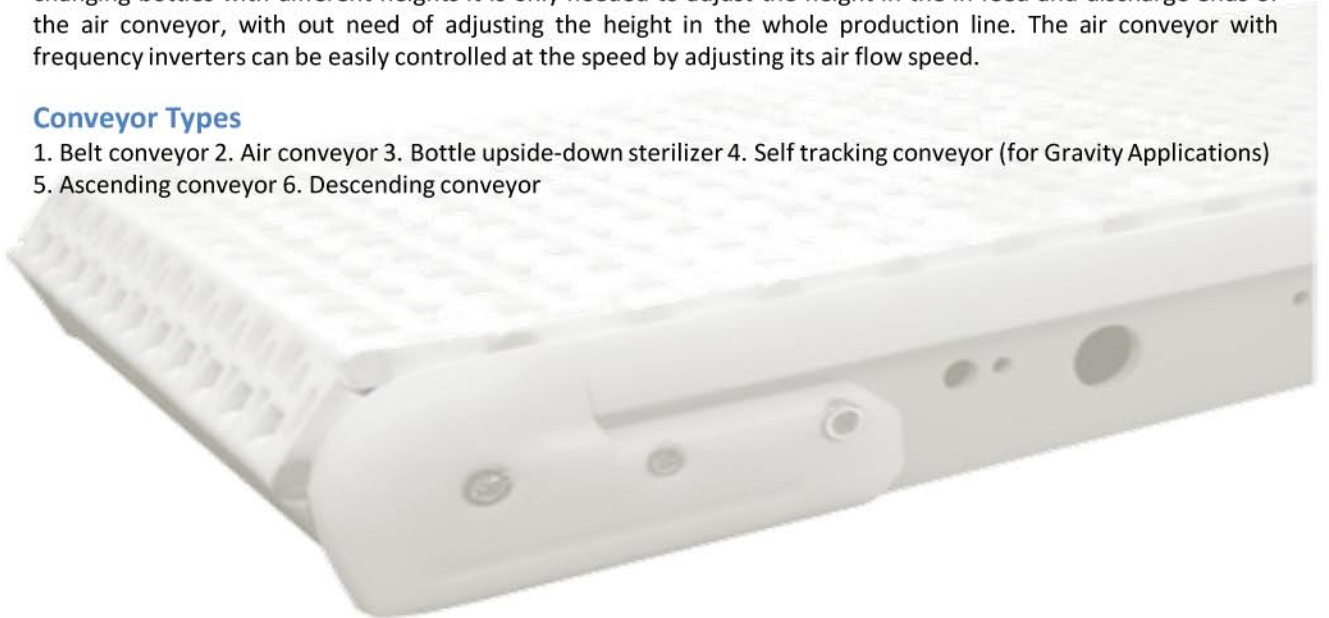
The air conveyor suited for conveying all types of PET bottles and other plastic bottles.

Features

The air conveyor propels empty bottles with low air pressure forward along on specially developed guide rails of hard wearing and low friction and conveys the bottles in a way of supporting their neck rings that can solve the bottle falling problem often occurred in the chain conveyers with plane tabletops because the way of suspending their neck rings enables the air conveyor to convey the bottles with safety, fastness and gentleness. In case of changing bottles with different heights it is only needed to adjust the height in the in-feed and discharge ends of the air conveyor, with out need of adjusting the height in the whole production line. The air conveyor with frequency inverters can be easily controlled at the speed by adjusting its air flow speed.

Conveyor Types

1. Belt conveyor
2. Air conveyor
3. Bottle upside-down sterilizer
4. Self tracking conveyor (for Gravity Applications)
5. Ascending conveyor
6. Descending conveyor



PALLETIZERS

The machine is used to load pallets stacked with cartons, trays or shrink-wrapped packs.

The machine is combined with an in-feed station, a conversion device, a stack-up zone, a pushing device, a loading station, an empty-pallet supply station and a pallet conveyor.

The machine frame is made of SS41 materials and is treated with anti-corrosive paints.

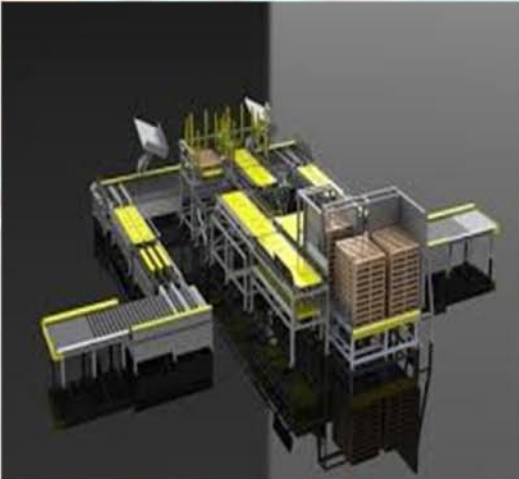
FEATURES OF PUSHING DEVICE

- Driven by a motor and chains, the pushing device can push pack with a push bar.
- In a way of using air-cylinder, the pushing device can stack up packs on to pallets that is firmly secured in center and lined up in good order, according to the number of the packs and the arrangement way in need.
- With a conversion device, the pushing device can make packs lined up after a rapid conversion movement forced by the accelerating wheel of the conversion table, which can save the pushing time.



FEATURES OF THE LOADING STATION

- The width of the loading station can be easily adjusted when changing with different size of packs.
- Actuated by the motor with a inverter, the loading station can be rapidly and accurately positioned in vertical ascent and descend movements. Controlled by the motor with a inverter, the loading station can lower the impact force in starting the machine, by which its structure will be reduced wear and tear.



CONTROL

- Controlled with PLC system in the mechanical movements as well as operative functions, the machine is designed with a man-machine interface, which is very convenient for operation and elimination of malfunction.
- The stacked number and way are changeable by re-setting directly in the man-machine interface, subject to the customer's requirements.
- Equipped with a detecting device having a photo sensor, the machine can check the moving direction of the packs forced by the conversion mechanism. If the packs are not moved in preset direction, a warning buzzer will make loud noises and the machine will stop working and wait for manual elimination.
- If no packs are delivered into the machine after a period of time present by the customers, the in-feed conveyor will automatically stop working until packs are delivered, by which its belt will be reduced wear and tear

SECURITY

- There are warning light barriers disposed around the loading station.
- Equipped with a safety button, the loading station can turn off its general power source in maintenance for preventing danger.
- Equipped with a safety sensor, the loading station can control the supplying work of packs when it detects the presence of pallets.

 **SS Engineers
& Consultants**

#11-49/2, Morumpudi Junction,
Rajahmundry - 03, Andhra Pradesh, INDIA.
Ph: +91 883 2426845, 46, 47,
Fax: +91 883 2430819
Mobile: +91 9440868551
E-mail: sales.ssengrindia@gmail.com
www.ssdairyequipments.com

