

BufferTech[®]

ACCUMULATION SYSTEMS

BufferTech is the line dedicated to the accumulation systems designed and manufactured by VETROMECCANICA.

The BufferTech line has been conceived to perfectly accumulate any kind of container. All of our buffer tables are designed to gently accumulate the containers without damage risk.

Our R&D department optimizes any detail of our accumulation systems to guarantee a safe and gentle accumulation also in case of very delicate containers

THE BEST ACCUMULATION SOLUTION FOR ANY LINE:

- ROTATING ACCUMULATION TABLE
- BI-DIRECTIONAL ACCUMULATION TABLE FILO TYPE
- DYNAMIC ACCUMULATION TABLE
- FIFO SINGLE LANE ACCUMULATION TABLE
- STACKER & DESTACKER
- ACCUMULATION TABLE WITH RECIRCULAR SYSTEM "MERRY-GO-ROUND"



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ROTATING ACCUMULATION SYSTEM

MAIN FEATURES:

- The system is made of stainless steel **AISI 304**. The plate rotation is achieved by means of a motor gear complete with a manual variable speed drive for the rotation speed regulation.
- The accumulation table is composed of a steel plate placed beside the conveyor.
- The containers are charged on the plate by means of a product movement guide, adjusted to keep the products towards the center of the disc.
- The lateral containment guides for labelled and not-labelled containers are made with contact profile in high-density polyethylene and stainless steel AISI 304 reinforcement core suitable to avoid damage to both product and label.
- Stainless steel floor standing supports complete of stainless-steel lateral flange and articulated feet in reinforced polyamide H max 1100 mm, adjustable in height ± 50 mm.

Ideal for accumulating containers with a stable shape and facilitating the operator in carrying out manual operations



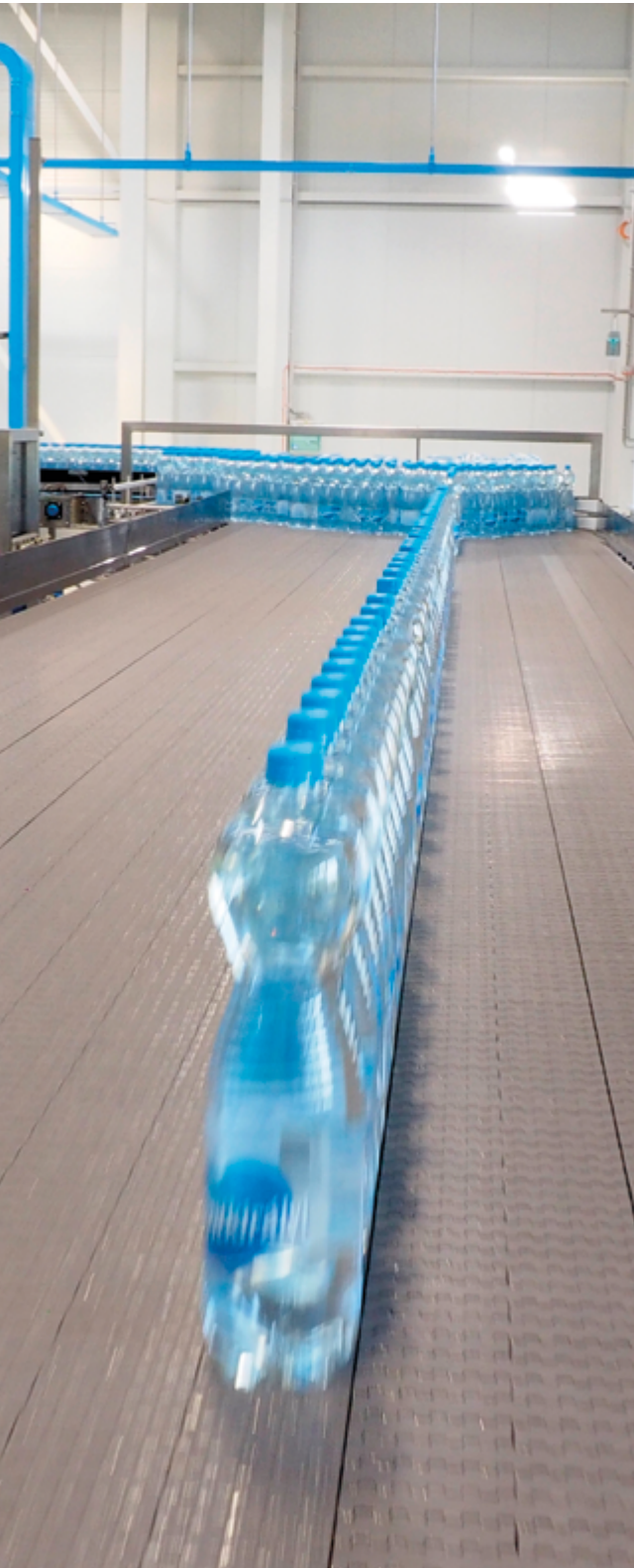
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DYNAMIC ACCUMULTION TABLE

- The table is made with sides and structure in AISI 304 stainless steel and components interchangeable with the conveyors of the **TableTech** line.
- During a regular production flow, the containers pass through it and it stays empty whereas in case of stalls, containers start accumulating toward the end of the table and, by pushes, towards its lateral sides. The speed of the chains is modulated and the proportion of bottles on the table is balanced for a pressure-free conveying

ACCUMULATION TYPES:

- DYNAMIC ACCUMULATION
- “FIFO” ACCUMULATION



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SINGLE LANE SYNCHRO SYSTEM FOR BIG FORMATS

MAIN FEATURES:

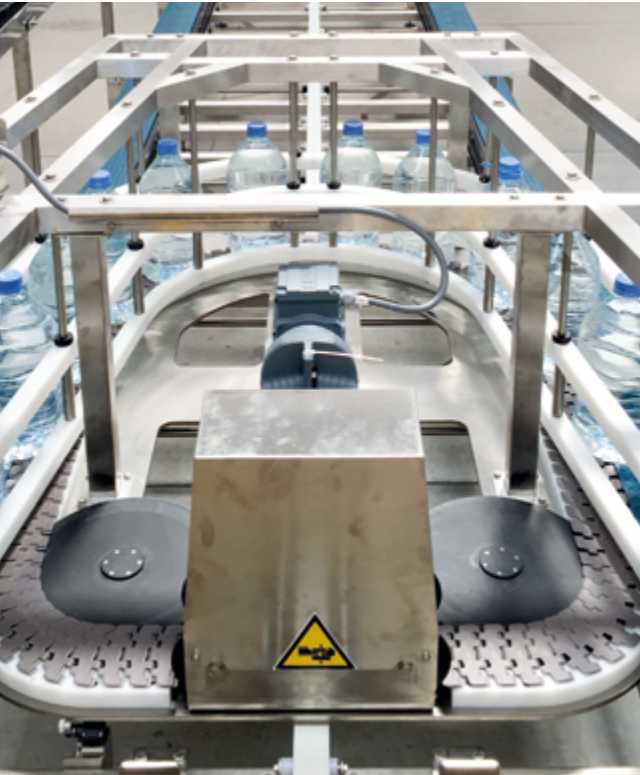
- The system is designed for big formats of containers
- Made with stainless steel frame AISI 304 and the same components used for Table-Top conveyors.
- The system is made with two modular chains on parallel side running in opposite directions. A special driven mobile trolley equipped with a container conveying chain brings the containers from one lane to another
- This system is used to synchronize in a progressive way the product in case of a slowdown of the downstream machines or speedup of upstream machines
- During the normal production the number of containers on the single lane conveyors is minimum and only for by-pass
- The adjusting speed through:
 - In-feed conveyor
 - Out-feed conveyor
 - Driven mobile trolley

guarantees the absence of pressure on the containers.

- The absence of pressure and pushing force when moving containers allows excluding external lateral guides from the table.
- REER photocells placed on the mobile guide sliding axis create a safety perimeter defined by the accumulation table operating area.

ACCUMULATION TYPES:

- PROGRESSIVE ACCUMULATION WITHOUT PRESSURE
- "FIFO" OPERATION



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SINGLE LANE SYNCHRO SYSTEM FOR SMALL FORMATS

- The system is made with stainless steel frame AISI 304 and the same components used for the Table -Top conveyors.
- The system is used to accumulate in a progressive way the product in case of a slowdown of the downstream machines.
- During normal production the number of containers on the single lane conveyors is minimum and only for by-pass
- The accumulation is without any pressure on the containers thanks to the adjusting speed relatively between:
 - The chain conveyor
 - The driven mobile trolley
- The absence of pressure and pushing force when moving containers makes the system suitable for the accumulation of containers that must not touch each other during the production process.
- the machine is equipped with external side guides along the accumulation section that prevent containers from falling

ACCUMULATION TYPES:

- PROGRESSIVE ACCUMULATION WITHOUT PRESSURE
- "FIFO" OPERATION



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TAVOLO DI ACCUMULO MERRY-GO-ROUND

- The system is made with stainless steel frame AISI 304 and the same components used for Table-Top conveyors.
- The table is made with modular chains on parallel sides, some of them running backwards
- Infeed and outfeed speeds are continuously adjusted.
- If the downstream line stops, the bottles accumulate and recirculate on the table, passing from the chains that follow the direction of travel to those that move in the opposite direction, forming a loop that is used to accumulate the bottles by reducing the proximity between them.

ACCUMULATION TYPES:

- PROGRESSIVE ACCUMULATION
- ACCUMULATION WITH MINIMUM PRESSURE
- FOR STABLE PRODUCTS

