

TechDividers[®]

DISTRIBUTION SYSTEM FROM ONE TO MORE LANES

TechDividers is the range of dividers designed and manufactured by **VETROMECCANICA**.

Vetromeccanica TechDividers line is conceived to meet different needs of sorting containers and packs in the production line.

According to the containers characteristics and to the line speed, we can offer different types of dividers

- MULTILANE DIVIDER WITH TELESCOPIC MOVING GUIDES
- PNEUMATIC MULTILANE DIVIDER
- ROTATING GUIDE DIVIDER
- SLAT DIVIDER





MULTILANE DIVIDER WITH TELESCOPIC MOVING GUIDES

This system is optimal during the handling of containers (even small ones) where division into several rows is necessary without the need to stop the products in order to sort them.

MAIN FEATURES:

- The standard system can be **from 1 to 6 lanes**
 - Easy and intuitive adjustment for the format change by means of a handwheel
 - Painted steel frame (in stainless steel on request)
 - Movement head structure in stainless steel and aluminium
 - Variable operating logic according to:
 - the number of containers sent in each lane;
 - the number of used lanes;
 - the conditions of the downstream line.
 - Brushless SEW motors.
 - Side safety protections made with metal frame and transparent plastic panels in order to monitor the machine operation.
 - Access panels controlled by safety micro.
- This dividing system is complete with a dedicated electrical panel and equipped with both a PLC and a programmable panel for a simple operator interface.



TechDividers[®]

PNEUMATIC MULTILANE DIVIDER



The system is made with pneumatic pistons that make possible to change line during the intervals among each bottle flow.

The pneumatic multilane divider is suitable to divide the production flow from 2 to 4-6-8 lanes.

Safety protections composed by painted - steel meshes are included.

The protection structure presents an opening complete with emergency sensors to ease maintenance operations.





ROTATING GUIDE DIVIDER

This dividing system conceived for the outfeed both rotative or linear machineries running containers on a single lane after an inspection station or a labelling station

The entire system support frame is made of stainless steel tubular frame, protected with openable carter in transparent material with inspection doors with safety switches

This dividing system is installed on the conveyor line, creating a direction change point by means of a motorized toothed belt equipped with guide sections (only on half of its length)

A brushless motor controls and synchronize the guide rotation to the bottles conveying speed

The photocells for bottle flow control and the encoder for speed measurement allow the synchronization between bottles and rotating guide sections.

The logic functioning has been studied to avoid containers damaging

The system is complete with its dedicated electrical cabinet and operator panel.





SLAT DIVIDER

This system conveys packs from X to X lanes by slats attached on a motorized chain.

CHARACTERISTICS:

- The slat divider is composed of a painted steel structure (stainless-steel optional)
- Slat holder tubes with diameter 15 or 25 mm
- Exchange group with hardened steel parts
- Slats made of low-friction plastic material
- The slats sliding guides are made of low-friction plastic material
- The motor gear is installed below the divider
- Protective carters made of transparent plastic material in compliance with the CE.