

ALLOCATOR XTS

Product division with linear technology

bertram

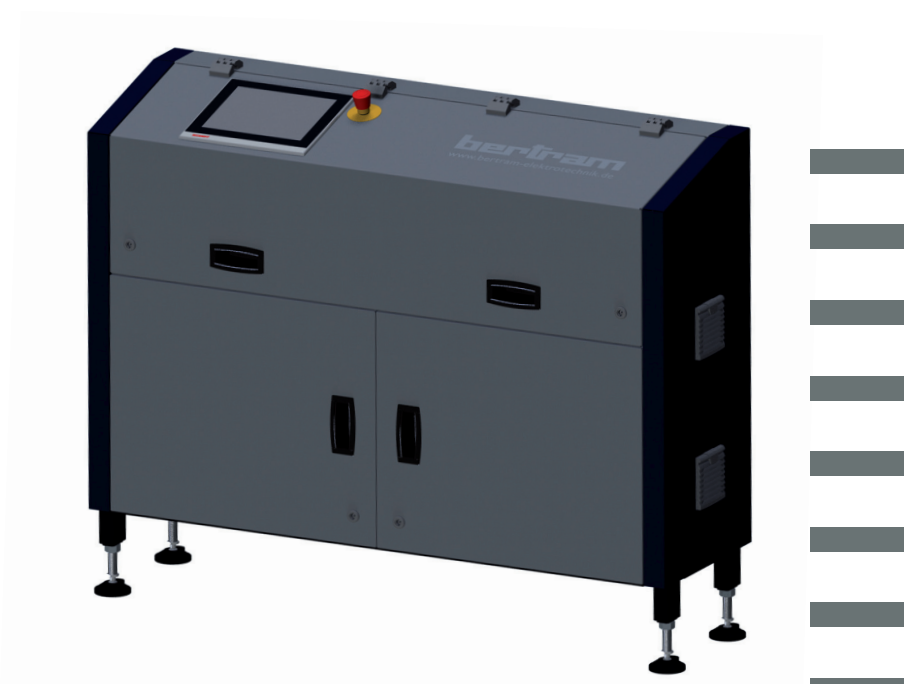
Innovative, stable and efficient product division

Vertical rather than horizontal: we really thought outside of the box with the ALLOCATOR XTS as we tipped the linear transport system 90 degrees. The drive module is at the heart of the new division system, which guides containers quickly, quietly and energy efficiently out of the product flow onto the chosen track. The classic application of the ALLOCATOR XTS is in the cold end of the glass manufacturing industry.

The ALLOCATOR XTS, as a new solution, has shown to be a trendsetter in many ways: firstly, the fast, compact, energy efficient system ensures that glass containers, PET bottles, cans or complete trays are reliably divided onto a different track independent of material, shape and size. This unit, that can easily be integrated into existing material handling systems, performs its task extremely reliably and gently due to its linear drive system. Guided transfer instead of thrusting: this principle guarantees much safer division even for conical and unsteady containers. The containers are pushed onto a parallel track at a synchronous speed to the conveyor, which prevents them from tipping or rotating during the transfer.

A further advantage of the ALLOCATOR XTS is that there are virtually no mechanical parts, as the lineal movement is generated by a magnetic field in the motor unit. The moving parts, called "Movers", which run on guide rails can be controlled individually or relative to one another over the IPC. The system works so flexibly that the ALLOCATOR XTS Movers are activated independently of each other by an upstream recognition system, such as our SEPARATOR. This need-based operation considerably reduces the energy consumption and wear as well as being much quieter in comparison to constantly rotating chain systems. Furthermore, due to the simple design with few moving parts, the maintenance requirements are significantly reduced in comparison to mechanical systems with belts, bands or rotating spindles.

- Secure upright product division
- Quieter, faster operation
- Highly energy efficient
- Precise positioning
- Easy and space efficient integration
- Low maintenance





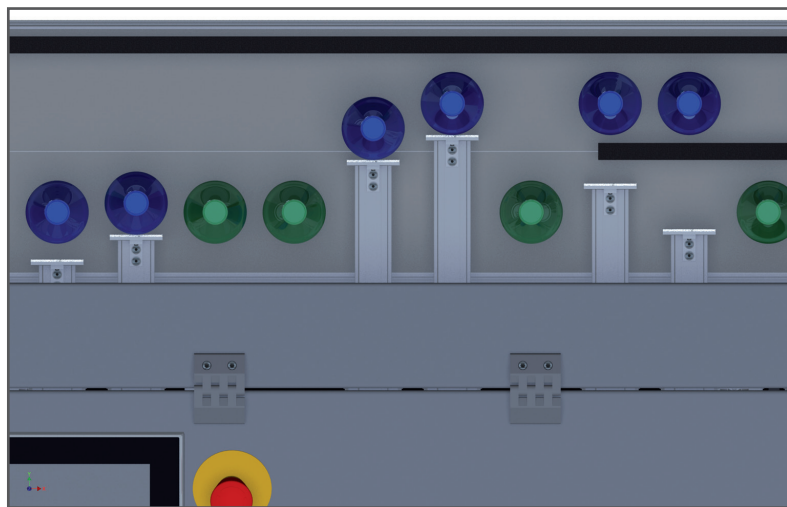
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FUNCTION

The variations in the criteria for sorting products are so diverse that the requirement for reliable product separation in running production, packaging and pick-and-place processes is continually rising. The Allocator XTS allows products to be divided, directly out of the product flow, onto different tracks without reducing the line speed. This new design concept ensures, along with the linear drive technology, that the module works quickly, reliably and energy efficiently.



FIGURES

Width: min. 1400 mm

Height: 1030 mm - 1330 mm

Depth: 415 mm

Performance: 50.000 products/hour

Speed: 60 m/min



COMPANY

Bertram Elektrotechnik was founded more than 60 years ago and has more than 20 years of image processing experience. Throughout these years Bertram has built up an impressive expertise in electrical engineering and image processing. Through constant research, development and innovation the company continues to evolve year on year. This family owned company, from Bevern in the south Lower Saxon district of Holzminden, works mainly in the glass, wood and packaging industries as a strong partner in automation technology and machine, system and switch cabinet manufacturing as well as industrial image processing. Bertram Elektrotechnik is known as an innovation pioneer in orientating and allocating glass containers in the material flow in glass plants, bottling plants and packaging plants. Glass has always been a tradition in the Weserbergland region. The material has shaped the region since the middle ages.

ELEKTROTECHNIK

BILDVERARBEITUNG

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