



ALLOCATOR

Servo-motor driven product handling

bertram

Transfer containers quickly onto the correct track

Bertram Elektrotechnik's ALLOCATOR moves glass containers onto parallel tracks quickly, safely and effortlessly. The compact ALLOCATOR is used to transfer different products to different production or packaging lines.

Allocators are an important part of in-line sorting in glass and bottling plants as well as in the food and drink industry. Due to the high production speeds, modern systems work with powerful control systems, highly dynamic drive technology and precise industrial image processing. We are purposefully bypassing pneumatically driven systems, and opting for the ALLOCATOR, with a servo-motor driven cam, in its place.

The ALLOCATOR works using a rotary, eccentric allocation wheel, that transfers glass containers precisely, load independently and, above all, smoothly onto a parallel track. Even at high speeds this technology ensures the same, secure motion every time, independent of whether the container is empty or full. An industrial image processor, such as our SEPARATOR, determines which products are to be transferred to which tracks. The ALLOCATOR can, however, also be used stand-alone as points.

Due to the fact that each product is allocated with a 180 degree rotation, the ALLOCATOR is immediately ready for the next container as soon as it has finished the previous action. It is therefore possible to allocate products in a continuous product flow. Systems with a linear action must travel back to their starting position before they are ready to repeat the process and thus require gaps between products. The ALLOCATOR's rotary servo-driven process is therefore considerably faster, wear-free and due to the fact that it goes without expensive compressed air, far more energy efficient. Another advantage is its smooth speed profiles.



Allocation in an upright position

High production speed

Gap-less allocation

Easy job-change

Versatile

Compact structure

Easy to maintain



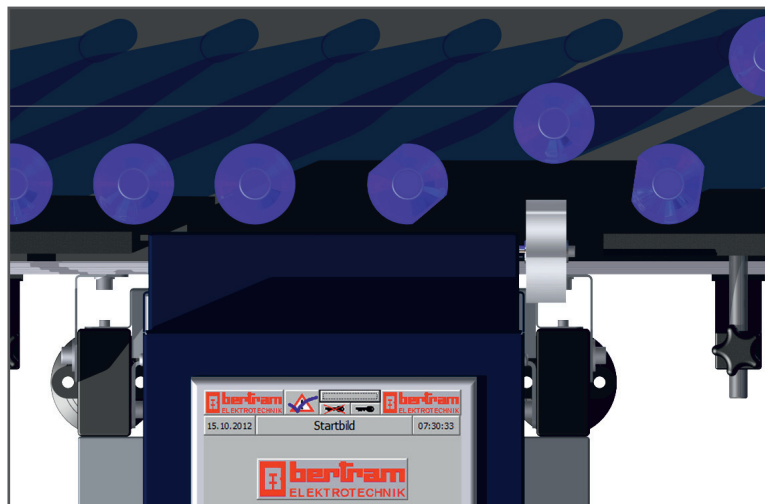
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FUNCTION

The range of sorting criteria is diverse and the demand for reliable allocation during continually moving production and packaging processes continues to increase. The ALLOCATOR allows products to be transferred to different lines without disrupting the speed of the material flow. Allocation can take place based on different criteria such as the container's colour, shape, lid type, number or label.



FIGURES

Width: 400 mm
Height: 1000 mm - 1400 mm
Depth: 470 mm

Speed: 90.000 Bottles/hour
Product height: min. 70 mm



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

ANLAGENBAU

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