



ORIENTATOR

Precisely orientate glass products

bertram

Bertram Elektrotechnik's **ORIENTATOR** can rotate 500 bottles or jars per minute into the desired position. The machine, that holds the Lower Saxony Innovation Prize, combines highly dynamic servo-drive technology with fast industrial image processing. The result of this development is an effective and easy to use mechatronic solution. It can also be easily integrated into existing systems, to accurately orientate bottles and jars during production, packaging and filling processes.

During the development stages we paid particular attention to making the **ORIENTATOR** user friendly. Any adjustments can be easily made, due to the fact that the switch cabinet is situated on top of the system and the space under the conveyor belt is kept free. Few adjustments are required during job change thus improving the ease of handling. The complete set-up of the cameras and lighting units is independent of the type of container that needs to be detected and orientated. Our standard machine can orientate products with a diameter of up to 140 mm and a height of up to 375 mm. The speed at which the position is corrected is synchronous to that of the conveyor belt and the product can be turned in either direction to ensure the smallest turning angle. The fact that the container stays at the same speed during orientation ensures that it remains stable.

- Precise product orientation
- High speed and stability
- Quick and easy job change
- Compact structure





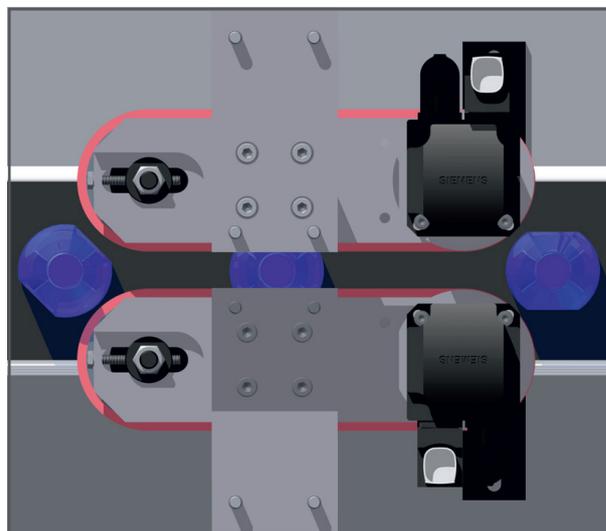
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FUNCTION

There are a number of processes in the glass industry, as well as in the food and drink industry, where bottles and jars need to be orientated precisely. There are many reasons for this, which go from improved quality control, to clean labelling, to stable and space saving positioning during palletising, and uniform alignment on shop shelves. The ORIENTATOR is designed to turn containers to any desired angle, to ensure that following production steps are faster, safer and more productive. Examples of this are quality control, palletising, filling, capping or labelling.



FIGURES

Width: 1740 mm
Height: 2215 mm - 2500 mm
Depth: 1070 mm

Speed: max. 500 Bottles/minute
Product diameter: max. 140 mm
Product height: max. 375 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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