



LIGHT SCREEN

Ergonomical solution for product inspection

bertram

Crystal clear vision for quality control

Inline quality management can be automated efficiently with modern vision systems. However, in many areas of manufacturing the personal experience and integrity of the human eye cannot be replaced, light screens are therefore still used in container glass inspection. Our new system is designed to offer the best possible work ergonomics and integration into existing systems.

A light screen is not necessarily just a light screen: Bertram designed the new system so that its features and unique characteristics come together to make a powerful whole. These include, for example, the light area where the brightness can be dimmed continuously. This allows the operator to adjust the light optimally for inspection and his eyes. An internal vertical blind adds to the comfort of this system, as it can be positioned to darken the light out with the inspection area so that it is more gentle to the eye.

Bertram has added another dimmable light from above the container, due to the large variety of types of container glass. This combination allows the light to be set and adjusted very precisely, ensuring that faults in the glass can be recognized reliably and quickly regardless of the shape and colour of the glass. The new light screen, made of antistatic Plexiglass, ensures a clear view through all types of glass, except for black glass, for which we offer a specialized system.

The light surface is 760 mm wide and 500 mm high, the top light is the same width as the main surface and 200 mm deep. It is possible to qualitatively evaluate even tall containers due to the large dimensions of the light surface. Bertram designed the unit so that it is easy to assemble during production. If it needs to be moved to a different position, it can be very simply removed and reinstalled in a new position without slowing or stopping production.

- Dimmable light output
- Compact design
- Easy installation
- Highly ergonomic
- Variable light distribution for better results
- Easy operation





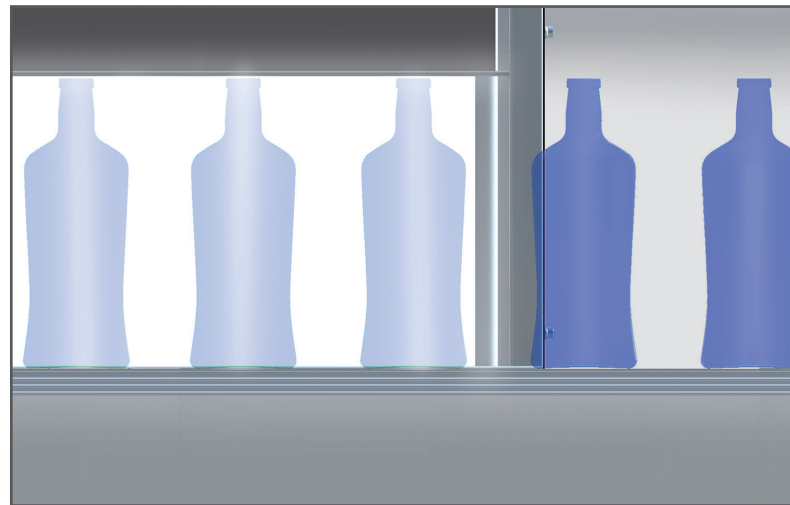
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FUNCTION

Light screens are still one of the most effective pieces of equipment for product inspection and quality control. Bertram's new light screen offers a solution that is easy to integrate, simple to operate and very ergonomic. The light screen is perfect for the visual inspection of containers of different shapes, sizes and colours, as it can be dimmed continuously allowing very precise adjustment.



FIGURES

Width: 880 mm

Height: 1400 mm - 1700 mm

Depth: 380 mm

Height of light surface: 500 mm

Width of light surface: 760 mm

Depth of top light surface: 200 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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