

Flex-L



BBULL FLEX-L is a flexible high speed single-lane rejection, sorting, and distribution system for a wide range of container shapes, sizes, and types. The dynamic guide rail system is capable of sorting containers with challenging characteristics such as semi-rigid PET containers and irregular shaped bottles, where other systems have difficulties ensuring stable upright rejection.

BBULL FLEX is particularly suitable for applications where 'down' containers must also be removed from the line.

Advantages

- Highly stable guaranteed upright rejection for reliable distribution, and ensures filled open containers are sorted without spillage.
- The dynamic guide rail design provides precise control over target container resulting in smooth consistent transfer of a wide range of container types, whether full, empty, or fallen.
- Integrated embedded controller with intuitive LCD interface provides simple integration with any of BBULLS inspection and quality monitoring systems, or other third-party devices.
- Reduced height allows for installation in confined spaces.
- Robust construction and intelligent control over the reject segments ensures system longevity and reduced maintenance costs.

Specifications

Max Speed:	40,000c/h; 600bpm
Max Line Speed:	1.2m/s; 3.9ft/s
Max Container Weight:	4kg; 9lbs
Container Types:	most types and designs.
Electrical Requirements:	110-250vac; 50/60hz;
Air Requirements:	6bar; 90psi

Functionality

The BBULL FLEX system sequentially activates a series of pneumatically controlled fingers to create a dynamic rail to guide the containers to the rejection conveyor. The moving segments can be retracted rapidly before and after the target container, therefore avoid adjacent product. The FLEX-L uses taller fingers to maintain the transfer stability of the standard system, and allow ejection of fallen containers. BBULLS integrated embedded controller synchronize with the sorting device to provide precise and reliable control of the container on fixed or variable speed production lines.

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