

VBS Vertical Buffer

Buffers slicer reload for increased line throughput.

The Marel logo, featuring a stylized red 'm' followed by the word 'marel' in a blue, lowercase, sans-serif font.

- Increases line throughput
- Variable buffer rate
- Up to 9 buffer levels
- Compact footprint

The AEW Delford VBS Vertical Buffer has been designed to buffer sliced product groups and to re-introduce them into the flow during slicer reload. This maintains a more even product feed which will achieve higher throughputs.

Slicers are often able to achieve faster instantaneous slicing rates than can be handled by robots or operators downstream. Including a VBS in line to provide a more consistent flow of product to the packing area can considerably increase throughput by up to 25%.

As an alternative to traditional horizontal buffer systems, the VBS offers the added benefit of a compact footprint, buffering products on up to 9 levels of conveyors. The conveyors move upwards and lift the buffered groups, and re-introduce them onto the downstream conveyor by moving downwards at a metered and adjustable rate while the slicer is being reloaded.

The percentage of groups taken into the buffer is selectable in the product programme, e.g. 1 in 5 groups.

Key Features and Benefits

- Increased line throughput
- Variable buffer rate to suit the slicer reload cycle
- Up to 9 buffer levels depending on product height
- Compact footprint

Technical Information

Speed: up to 100 indexes/min

Belt speed: 25 m/min

Belt width: 370 mm

Max group length: 200 mm

Dimensions:

Width: 1182 mm

Length: 2038 mm

Height: 1701 mm

Weight: 410 kg

Services:

Power requirements:

380–460V 3Ph + Earth

50/60Hz 500VA

Optional cassettes for different height products

Product Height mm	Conveyor levels
28	9
45	7
58	5
76	4

