BUCHER
emhart glass

Technical News Bulletin

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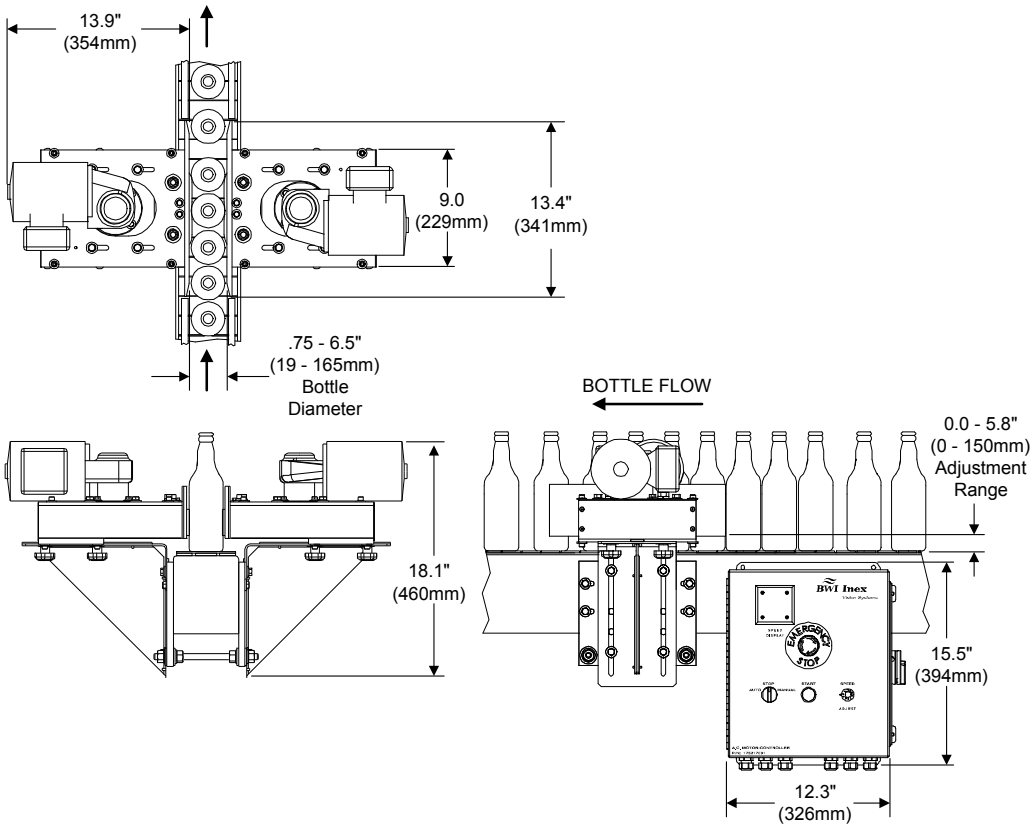
Emhart Inex Dual Belt Separator

The Emhart Inex Dual Belt Separator (DBS) is designed to separate both round and non-round bottles on a single line conveyor.

The system consists of two drive belt assemblies and a motor control box. Each drive assembly has its own AC synchronous motor that drives a thick rubber belt. The drive assembles are positioned opposite of each other on the conveyor, which causes bottles to compress into the belts as they pass through the separator. Running the belts slower than the conveyor causes the bottles to become separated as they exit. The advantage of this type of separator is that it does not require a prime or backlog of bottles at the infeed to maintain bottle stability as is required on screw feeds or finger type separators. The bottles can enter randomly with no loss of stability at the infeed or exit.

Specifications	
Power	220VAC, 50-60Hz, 7 Amps, Single Phase
Dimensions	
Drive assemblies	Height: 305 mm [12 in.] Width: 305 mm [12 in.] Depth: 203 mm [8 in.]
Control box	Height: 406 mm [16 in.] Width: 305mm [12 in.] Depth: 152 mm [6 in.]
Ambient Temperature	0° to 50°C [32° to 122°F]
Relative Humidity	95% (non-condensing)
Speed	0 to 101 cm/sec [0-40 in/sec] or 0 to 600 bpm
Ware Characteristics	
Types	Round and non-round
Height	25 to 394 mm [1 to 15.5 in]
Diameter	19 to 152 mm [0.75 to 6 in.]
Conveyor Width	64 to 191 mm [2.5 to 7.5 in]
External Controls	External Start/Stop input, external Emergency Stop input, and 4-20ma input, which allows speed synchronization with the conveyor.


13.9"
(354mm)
9.0
(229mm)
13.4"
(341mm)
.75 - 6.5"
(19 - 165mm)
Bottle
Diameter
BOTTLE FLOW
0.0 - 5.8"
(0 - 150mm)
Adjustment
Range
18.1"
(460mm)
15.5"
(394mm)
12.3"
(326mm)