



BOTTLE UNSCRAMBLER CVC 1265/1267



INTRODUCTION

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The CVC Plastic Bottle Unscrambler performs bottle unscrambling from jumbled bottles loaded in the hopper and discharges them in a upright position on the conveyor for further content filling, capping and other packaging processes in the pharmaceutical and nutraceutical industries.

Bottles are carried from the hopper into a pre-sorter, where several mechanisms are responsible of arranging the bottles into a horizontal position and then passed to the grip belts for the next steps.

As the bottles are carried by the grip belts, they go through different mechanisms: the bottle hook reverts those bottles coming out of the pre-sorter with the opening looking forwards, then all bottles are rotated upside-down with their opening facing downwards as they pass through the optional ionized air rinsing unit.

Finally the bottles are turned into a upright position by several guides and the stand-up belts which also discharges the bottles onto the outfeed conveyor, ready for filling operations.

All mechanisms are enclosed for noise reduction and to prevent pollution.

The machine is controlled by PLC and a Touch Screen Panel is provided as the HMI (Human Machine Interface), where the most common operations are easily accessed, and some useful technical checking functions are featured for troubleshooting purposes. Proper job settings for a given product can be recorded in one of the job memory sets for reuse.

UNPARALLED FEATURES



Unique Hopper for Side Infeed and Upper side

- Side infeed can match with the small volume.
- The upper infeed for bigger volume (upper floor).
- Convenient door design to clean any dust accumulation.
- Monitoring side door window.
- Integrated with low level hopper sensor.



Pre-Sorter Disc:

- Large collection volume, with S.S. construction.
- Easy adjustable height.
- Reversing motion mechanism to correct possible.



Options:

- Static eliminator in disc sorter.
- Ionized air rinsing.
- Vacuum dust collection.

Accurate orientating assembly with easy adjustment.

SPECIFICATIONS

Technical Specifications:

Hopper capacity: 15 cubic feet (0.42 m³)

Bottle size range: Diameter 25 mm ~ 85 mm

Bottle opening: Min. 25 mm

Bottle height: 50-160 mm

Bottle body height: Min. 45 mm

Bottle height/dia ratio: Min. 1.5 : 1

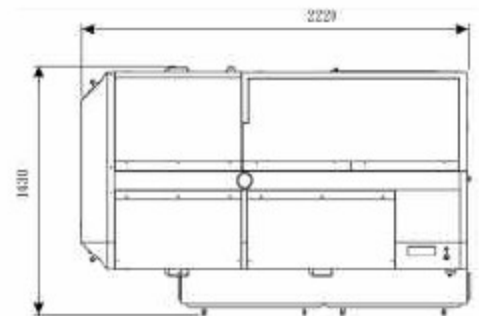
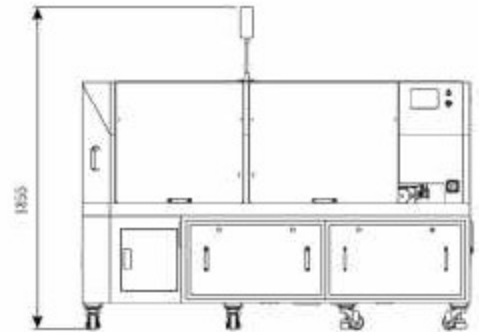
Power source: 220 V, 50/60 Hz, 1 phase with separate ground.

Power consumption: 3.4 KW

Compressed air pressure: 85 psi (6 Kg/cm²)

Compressed air consumption: 3.5 cfm (100 liters/min)
w/ air rinsing system: 28 cfm (800 liters/ min)

Machine dimensions: 2263 x 1327 x 1403 mm



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