

### Standard Features

- ▶ Left-to-right flow configuration
- ▶ 48-inch (120 cm sorter) diameter centrifugal feeder bowl stainless steel construction
- ▶ NEMA 12 electrical enclosure
- ▶ All exposed aluminum parts are anodized
- ▶ Lexan guard doors with safety latches wired to the PLC
- ▶ Downstream backup sensors, BPM and batch counters
- ▶ All machine components accessible from floor level for easy maintenance
- ▶ No open-air jets for bottle orientation or control
- ▶ Variable speed independently controlled, variable motors
- ▶ 35 cu ft. (1000 liter) stainless steel hopper feeder.
- ▶ Allen Bradley Micrologix 1400 PLC
- ▶ Allen Bradley panel view plus HMI with recallable memories
- ▶ Embedded scales and dial indicators for repeat set-ups

### Dimensions

- ▶ Type of containers: plastic round, rectangular and square clear and opaque
- ▶ Diameter Min. 1" (25.4 mm), Max. 4" (102 mm)
- ▶ Height Min. 1.5" (38 mm), Max. 10" (250 mm)
- ▶ Conveyor height 36", +/- 2" (914 mm, +/- 50 mm)

### AesSort including Hopper

- ▶ Length 120" (300 cm)
- ▶ Depth 66" (170 cm)

### Output

- ▶ 200 bpm (based on 100 cc round container)

### Power & Air Supply

- ▶ Power supply 220 VAC, 50-60 Hz, 1 phase, with ULC approved components
- ▶ Air supply 80 psig, 4 scfm (required with optional air rinse).

### Industries served

- ▶ Food & Beverage
- ▶ Cosmetic/Personal Care
- ▶ Nutraceuticals
- ▶ Pharmaceuticals

### Optional

- ▶ Fallen Bottle Reject System
- ▶ Ionized air Wash

*Stand up and be counted*



The AesSort bottle unscrambling machine uses the tried and proven hook and belt system that can handle containers from 1 inch diameter through 4 inch diameter and up to 10 inches in height.

It is ideal for pharmaceutical, cosmetic, and other plastic containers up to 200 bottles per minute including round, oval, or square containers clear or opaque.

The AesSort has many important features including an enclosed frame with safety devices on all doors - open the door and the machine will stop, large 35 ft.<sup>3</sup> in feed hopper, and a 48 inch diameter infeed drum with quick change snap in segments for fast changeover. Scales and dial indicators are built-in to facilitate quick repeat set-ups.



The “stand up” area is completely enclosed, so that should a container accidentally fall it will not descend to the floor, or worse into the workings of the machine. The stand-up belts have independent motor controls that are speed, height, and in/out adjustable independent of each other and can be memorized to give total flexibility.



A touch screen HMI (Allen Bradley panel view plus) facilitates easy setup and multiple memories are available to recall setup details. It shows production speeds, and has container and batch counters.



The hook, which inverts containers coming neck first, is unique in that it not only has height adjustment, but the “spring” is controlled by adjustable air pressure as opposed to a fixed spring coil.

Furthermore the whole assembly can be raised or lowered, which will change the radius of the swing arm to get higher speeds and/or gentler handling.



The AesSort is constructed with a heavy duty frame in stainless steel, anodised aluminium, and plastic. The stainless steel Hopper has an interlocked rear door so that the Hopper can be cleaned out or unloaded easily.

A typical sensor arrangement is shown; here the sensor controls the level of containers in the sort drum, with a set up scale and easy adjustment knob.

Backup sensors come standard, so that if the containers downstream back up towards the AesSort, the machine will pause until the backup is cleared.

