SINGULATOR 1LT (TRAY COUNTING & SORTING MACHINE)

APPLICATIONS

- When products vary in weight or are difficult to separate, industrial weighing machines or pick-and-place robots lose accuracy while counting products by piece will increase reliability, especially when the secondary package contains a variety of flavors or products.

- This machine can be extremely useful for automatically unscrambling, separating/spreading, and/or aligning products for downstream equipment to maximize efficiency in the packaging process.

- Place bulk products into the intelligent layout of vibrating plates with multiple channels that spread the products evenly over the width of the plates to be accurately counted for placement in smaller packages or variety packs.

- Eliminate labor-intensive hand counting of products and decrease inaccuracies caused by human error by precisely separating and counting bulk products into specific product batches (Ex, 50 pack ➤ 5 pack)

- Versatile product capabilities, ranging from confectionery, snacks, detergents, hardware, all the way to fresh or frozen foods such as buns and burgers. (Any product that doesn't interlock with each other)

FEATURES

- Equipment options include: Product inspection, orientation adjustment, rejection systems, counting, and grouping systems.

- The machine's robust design with smart modules provides unmatched accessibility, easy repair, easy cleaning, and low maintenance.

- With the smart quick-fastening mechanism, the exchange of the vibrating plates for format change or cleaning is effortless.

- The durable stainless-steel design allows the Singulator to handle the toughest circumstances and last many years.

- The vibrating drives and stopper plates are modular parts that are easily exchanged using connectors. Allows for a simple module replacement in case of a breakdown to immediately resume your production.

- Touchscreen control area that makes product dimension and desired count programming easy and accessible.

Cascading pans for vibration product flow

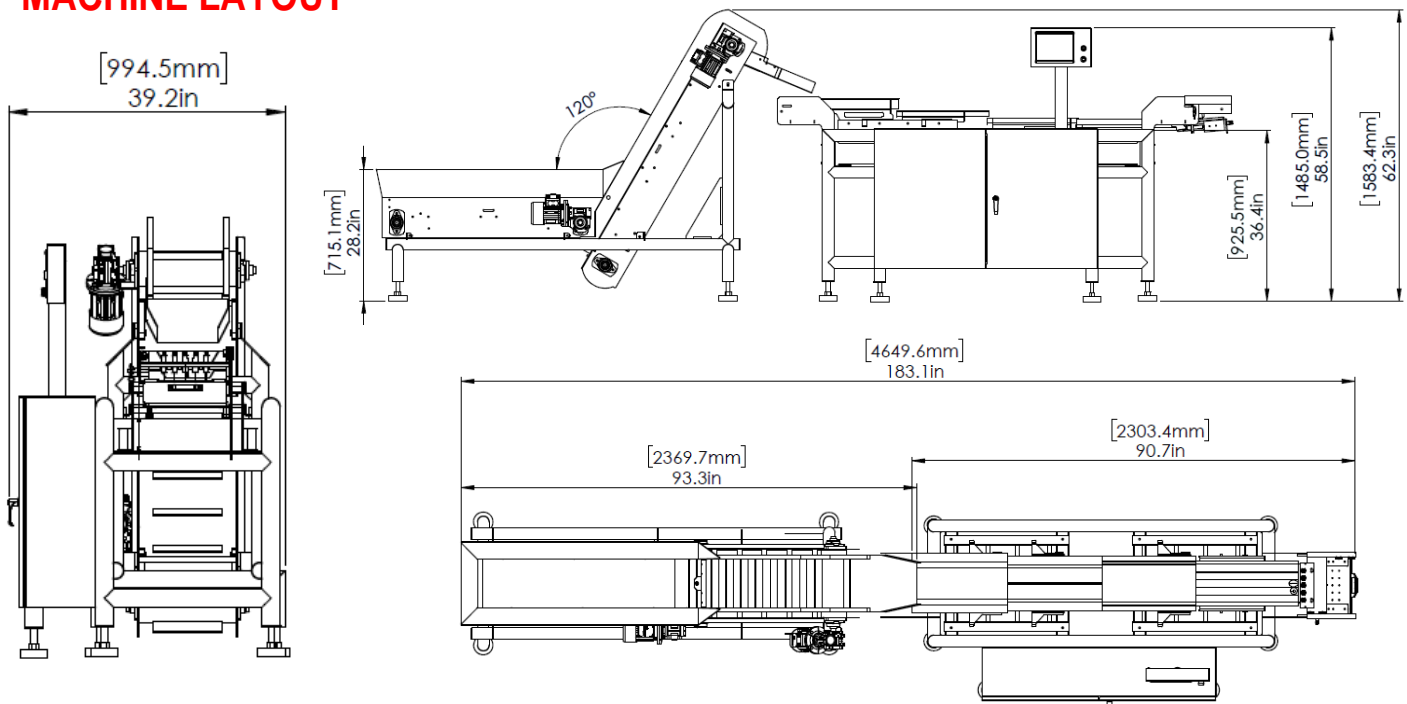Touchscreen control area for product parameter changes

High-accuracy product counting sensors and drop point

Example of full system with product hopper and feeding conveyor

MACHINE LAYOUT

[994.5mm]
39.2in

[715.1mm]
28.2in

120°

[925.5mm]
36.4in

[1485.0mm]
58.5in

[1583.4mm]
62.3in

[4649.6mm]
183.1in

[2369.7mm]
93.3in

[2303.4mm]
90.7in

PRECISE. RELIABLE. AFFORDABLE.

226 Industrial Parkway N, Unit #3
Aurora, Ontario L4G 4C3

905.737.5400 | cam-systems.ca