

Small Piece Remover

The [Small Piece Remover](#) is an open-bed design machine with integral frame and endless sizing belt, used to separate smaller pieces of product from line flow.

The machine is factory set at a six-degree slope from infeed to discharge. The belt uses molded, food-grade plastic slats with pockets to perform sizing. Running at a right angle to product flow, the sizing belt forms a trough where product travels through the machine. The rolling cross-flow movement gently mixes and encourages product transfer.



Applications

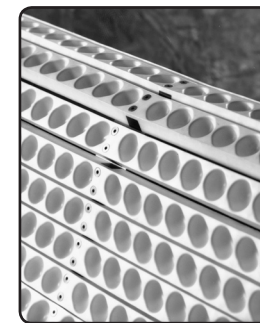
- Manufactured baby whole carrots
- Applications currently using a rotary separator
- Small to medium size product that can be sized when two of three dimensions fit into a sizing pocket and can be lifted away from line flow.

98 Percent Effective

The mixing action virtually ensures that target-size pieces will contact the sizing slats and be removed. Field operation has resulted in 98% removal of target size pieces. Almost no large pieces are removed with the targeted pieces.

Lower Costs

The Small Piece Remover's streamlined design can trim operating costs and increase profit over alternative rotary-style separators. Its carefully designed pockets are self-cleaning, eliminating the need for high-pressure water and a motor to continuously clean pockets. The simple, open framework dramatically reduces clean-up and service time and complexity. The compact design trims installation costs by using less plant area and simplifying installation.



Sizing Pockets



Side Discharge

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Specifications and Information

Capacity:

Varies with product and specific requirements; handles up to 8.165 metric tons per hour (18,000 pounds per hour) of manufactured baby whole carrots

Target Size:

Varies with product. Standard for baby whole carrots is separation of pieces less than 38 mm (1-1/2") in length and less than 25.4 mm (1") in diameter.

Efficiency:

Capable of 98% or greater

Partial Product List:

Manufactured baby whole carrots, Sugar Snap peas

Style:

Open frame with legs

Construction:

Stainless steel, food grade

Motor/Gearbox:

0.75 kilowatt (1 hp), "C" faces with in-line helical, gear box (shown in above drawing)

