

Small Piece Remover

The Small Piece Remover (SPR) 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.

Small pieces settle into the plastic pockets in the belt, are lifted out of the main product stream, and are then discharged over the side of the machine.

Applications

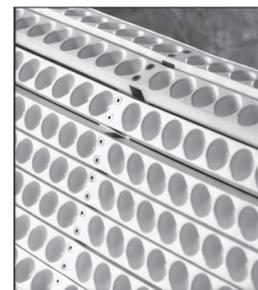
- Manufactured baby whole carrots, sugar snap peas, edamame \ soy beans, and frozen green beans.
- Applications currently using a rotary separator.
- Small to medium size product that can be sized when two of three dimensions fit into a sizing pocket and can be lifted away from line flow.

98 Percent Effective

The mixing action ensures that target-size pieces contact the sizing slats and are 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 SPR'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

Specifications and Information

Capacity:

Varies with product and specific requirements; typical ranges between 8,800 to 20,000 lb/hr (4,000 to 9,075 kg/hr)

Target Size:

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

Efficiency:

Capable of 98% or greater

Style:

Open frame with legs

Construction:

Stainless steel, food grade

Motor/Gearbox:

1 HP (0.75 kW)

