

Precision Size Grader

The Precision Size Grader (PSG) accurately size grades damage-sensitive food products by diameter. Using a combination of precision-machined stainless steel rollers and a unique pinch-eliminating drive arrangement, the PSG offers consistent, uniform separation of target size material.

The size for separation, selected by the customer, is determined by the gap between the rollers – target size product falls through the rollers and exits underneath the machine, while larger size material moves over the top of the rollers. The roller speed progressively increases along the length of the machine. This ensures the product is spread into a single layer allowing for each piece of product to be sized accurately between the rollers.

The PSG features exceptional sizing accuracy with on-the-fly adjustability, space-saving compact footprint, and little or no annual maintenance required in many applications.

The PSG is suitable for sizing a wide variety of delicate vegetables, fruits, and other products. With its simple but robust design and construction, the PSG provides processors the ability to meet their customers' exacting specifications throughout their process season – year after year.

Benefits

- Precision Sizing
 - Stainless steel rollers machined to exacting tolerances
 - Consistent sizing and absolute control
- Easy Operation
 - Efficient sizing and separation (up to 95% or better); no screens to blind or plug
 - On-the-fly adjustment with precise fine-tuning
- Low Maintenance
 - Long-life stainless steel rollers
 - Easy access to bearings, chain, sprockets and adjusting system; simply open the hinged access cover
 - Very few moving components or wearing parts
- Easy, thorough sanitation
 - Requires only a hose washdown
 - Easy access to all components with open sizing area design
 - No bars, slats or bushings to clean inside machine
 - No screens to change
 - No parts to remove



Hinged Access Panel

Typical Applications

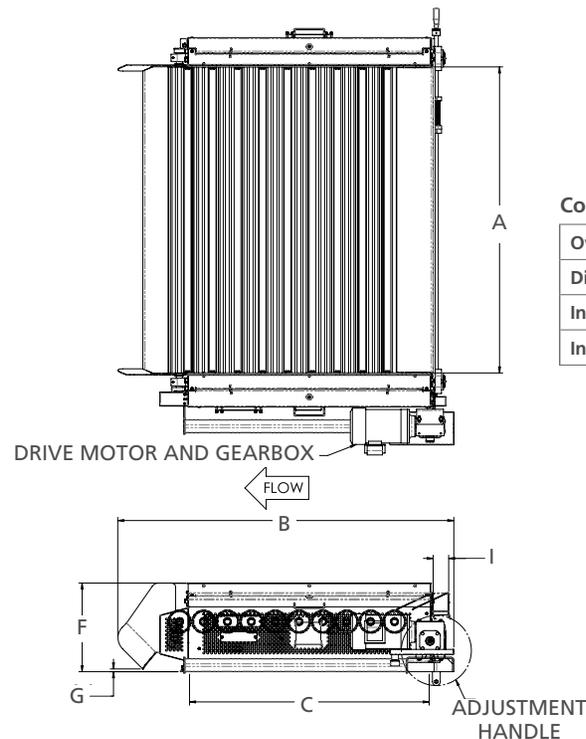
- Small product removal or diameter grading of whole, snipped, or cut green beans.
- Debris and small product removal from whole green in-shell peanuts.

Specifications & Information

- Capacity: Varies by application and requirements
 - From 4000 lbs/hr (2000 kg/hr) to 13,000 lbs/hr (6000 kg/hr)
- Efficiency: 95% plus
- Standard adjusting range: 3/16" to 9/16" (4.5 mm to 14 mm)
- Style: Platform model.
Legs, stands, chutes, hoppers, etc., not included
- Construction: Stainless steel, food grade
- Motor/Gearbox: 1 hp (0.75 kW)

Dimensions

Model	Typical Roll Gap Range	Grading Width "A"		Overall Length "B"		Product Dropout Length "C"		Overall Width "D"		Product Dropout Width "E"	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
PSG2	1/10" to 5/8" (2.5 to 16mm)	24	610	49-5/8	1260	31	787	51-1/8	1298	25-5/8	651
PSG3		36	916					63-1/8	1604	37-5/8	956
PSG4		48	1218					75-1/8	1908	49-5/8	1261
PSG5		59	1499					86-1/8	2187	60-5/8	1540.5
PSG210	3/16" to 9/16" (4.5 to 14mm)	24	610	61-7/8	1571	46-1/4	1175	51-1/8	1298	25-5/8	651
PSG410		48	1218					75-1/8	1908	49-5/8	1261
PSG510		59	1499					86-1/8	2187	60-5/8	1540.5
PSG514	3/16" to 9/16" (4.5 to 14mm)	59	1499	86-7/8	2205	66-3/16	1681	86-1/8	2187	60-5/8	1540.5



Common Dimensions

Overall Height "F"	17-1/8"	434.2mm
Discharge Height "G"	9/16"	13.6mm
Infeed Height "H"	15-1/4"	386.6mm
Infeed Shear Travel "I"	3"	76.2mm