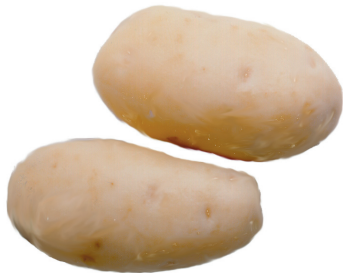


Diameter Sizer

The [Diameter Sizer](#) grades product by diameter, or removes dirt, rocks, and other undesirable materials.

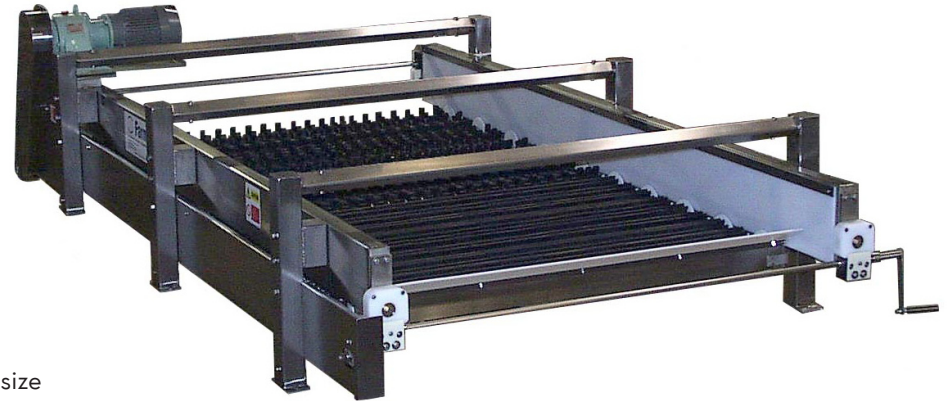
The bed of the diameter sizer consists of a series of sizing rollers. Each roller comprises a steel shaft and “finger” style rubber rollers spaced at a calculated distance along the shaft. The “fingers” from each sizing roller mesh with those of the adjacent rollers, creating a hole at each mesh point where targeted product falls through to discharge under the machine. The rollers turn in the direction of line flow, conveying remaining product to discharge at the end of the machine.

The diameter sizer is frequently used for dry receiving, wet receiving, and at the cutter deck for peeled potato products.



Common Product Applications

- Beets
- Bulbs
- Dicing carrots
- Onions
- Potatoes
- Process apples



Benefits

- Accurate Sizing
 - On-the-fly fine-tuning of size
 - Often sizing can be adjusted by plus or minus 13 mm (1/2”) from the user-selected target diameter
 - 95 percent or better efficiency
- Rapid Payback
 - Consistent, accurate sizing enables you to direct sized product to highest-value uses
- Gentle Product Handling
 - Rubber finger-rollers absorb shock, virtually eliminate product damage at infeed
 - No pinch points at discharge to damage or shear product
 - Better yield and product quality

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Specifications & Information

- Capacity: Varies with product and requirements
 - Full-width unit runs up to 36,000 kg/h (80,000 lb/h) with maximum efficiency
 - Up to 75,000 kg/h (165,000 lb/h) with decreased efficiency
- Efficiency: 95 percent or better
- Sizing: Per application
 - Can be configured for 2, 3, 4, 5, or more splits
 - Set sizing from 25 mm (1") to 127 mm (5"), with on-the-fly fine adjustment capability
- Dimensions:
 - Overall width: 990 mm (39") or 1232 mm (48-1/2")
 - Bed width: 914 mm (36") or 1524 mm (60")
 - Overall length: 1800 mm (70-7/8") (two-way split) or 3353 mm (132") (three-way split). Others available
- Style: Open frame with legs
- Construction: Stainless steel frame, mild steel shafts, plated fasteners
 - Stainless steel shafts and fasteners available
 - Food-grade option available
- Options:
 - Spreader infeed section
 - Frequently used in conjunction with Flite Roller Table and/or Length Sizer for potatoes
- Motor/Gearbox
 - Standard: 230/460V, 60 Hz, 3-phase, "C" faced with in-line helical gearbox
 - Horsepower rating varies with machine and application
 - Other motor specifications available

Dimensions

Model		A	B	C	D	E
Full Width (2 Way Split)	Inches	60	70 7/8	39	77 3/4	71
	(mm)	1524	1800	914	1976	1727
Full Width (3 Way Split)	Inches	60	132	48 1/2	80 3/4	71
	(mm)	1524	3353	1232	2050	1727
Narrow Width (2 Way Split)	Inches	36	70 7/8	39	53 3/4	47
	(mm)	914	1800	914	1365	1194
Narrow Width (3 Way Split)	Inches	36	132	48 1/2	56 3/4	47
	(mm)	914	3353	1232	1441	1194

