

Length Sizer

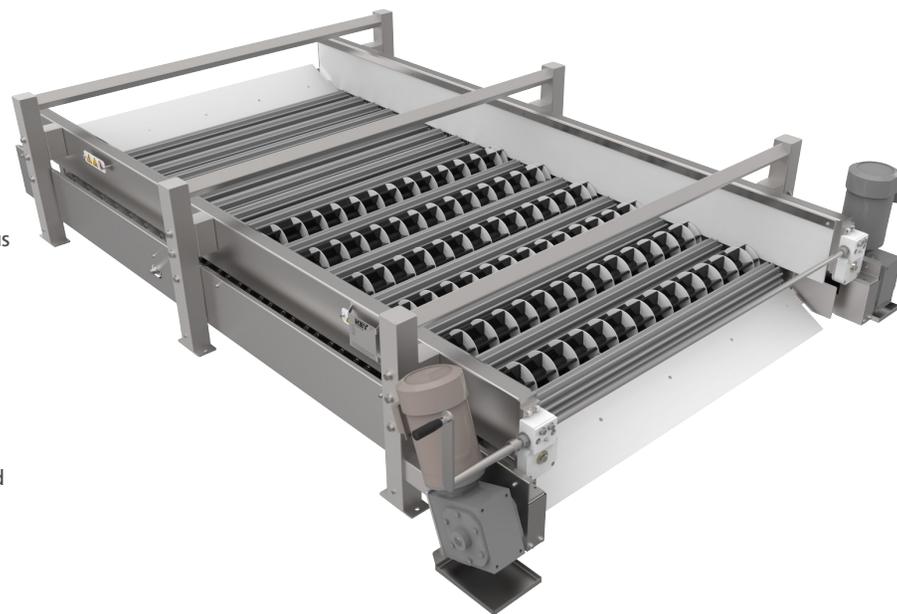
The length sizer is a uniquely designed machine used to separate longer potatoes from a whole potato stream or eliminator stream. It also precisely length-grades for specialty cut products. It is used on wet, washed (no rocks), unpeeled potatoes.

The system uses a series of rotating stainless steel shafts with rubber rollers, arranged in pairs. The first shaft in each pair uses our proprietary Flite Roller, and the second uses our proprietary interlocking paddle wheel rollers and discs, to form specific size pockets. Potatoes of the target length and within the defined major and minor diameter limitations settle into the pockets, rotate between the pairs of rollers, and drop out under the machine. Longer potatoes are conveyed to the end of the machine for discharge to downstream equipment.

Benefits

- Accurate Sizing
 - Factory set to select out potatoes of a chosen target length (and smaller) – customer selects size parameters
 - 90 percent efficiency typical, within plus or minus 1/2" (13 mm) accuracy at design capacity and operating parameters
 - Potato diameter affects efficiency; perform general diameter grading before length sizing
 - "Five paddle" roller targets longer potatoes with maximum major diameter of 2-3/4" (70 mm) and maximum minor diameter of 2-1/4" (57 mm)
 - "Six paddle" roller targets shorter length potatoes with maximum major diameter of 2" (51 mm) and maximum minor diameter of 1-3/4" (44 mm)
- Easy Operation
 - Flexibility to fine tune for potato length and diameter variability within unit configuration and design parameters

Note: adjustment cannot be used to change target length



Sizing Pockets



Flite Roller

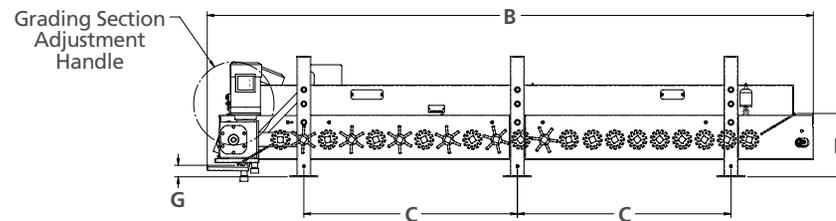
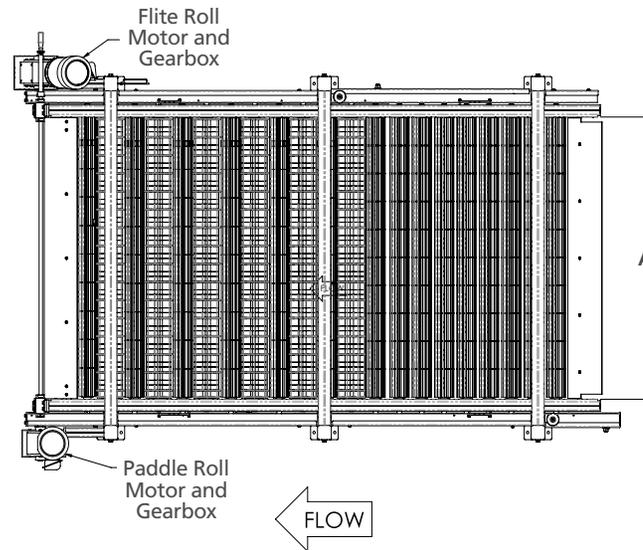
Specifications & Information

- Capacity: Varies with product and machine configuration
 - Up to 40,000 lb/hr (18,150 kg/hr)
- Sizing:
 - Preconfigured at factory to select out one target length and under
 - Can be set in 1/2" (13 mm) increments, from 2" to 5" (51 mm to 127 mm)
 - Efficiency 90 percent or better (typical)
- Style: Open frame with legs
- Construction: Stainless steel frame, shafts, and fasteners, and polymer housed bearings
- Motor/Gearbox
 - Standard: Two each 230/460V, 60 Hz, 3-phase, "C" faced with right-angle gearbox
 - Horsepower rating varies with machine and application (1 to 2 HP (0.75 to 1.5 kW) typical)
 - Other motor specifications available

Dimensions

Model	Grading Width "A"		Overall Length "B"		Footprint Length "C"		Overall Width "D"		Footprint Width "E"	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
DIA-4x7*	47	1194	84-9/16	2148	49	1244.5	73-5/16	1862	61-1/2	1562
DIA-5x7*	59	1499					85-5/16	2166	73-1/2	1867
LNG-3x10	35	889	132	3352	46-1/2	1181	68-1/2	1730	49-1/2	1257
LNG-4x10	47	1194					80-1/8	2035	61-1/2	1562
LNG-5x10	59	1499					92-1/8	2340	73-1/2	1867

* Model does not include integrated spreader infeed section. Recommended only when directly fed by other Key Equipment.



Common Dimensions

Overall Height "F"	25-3/8"	644.1mm
Discharge Height "G"	2-7/16"	61.6mm
Infeed Height "H"	13-3/8"	339.1mm

