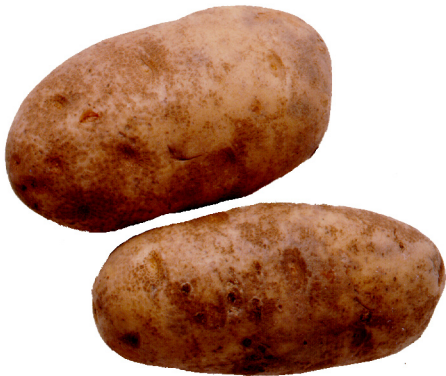


Length Sizer

The [length sizer](#) recovers longer potatoes from baby 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.

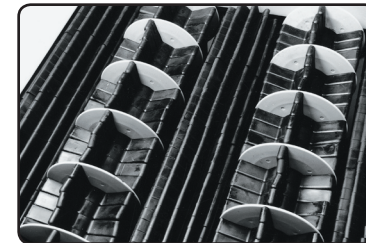
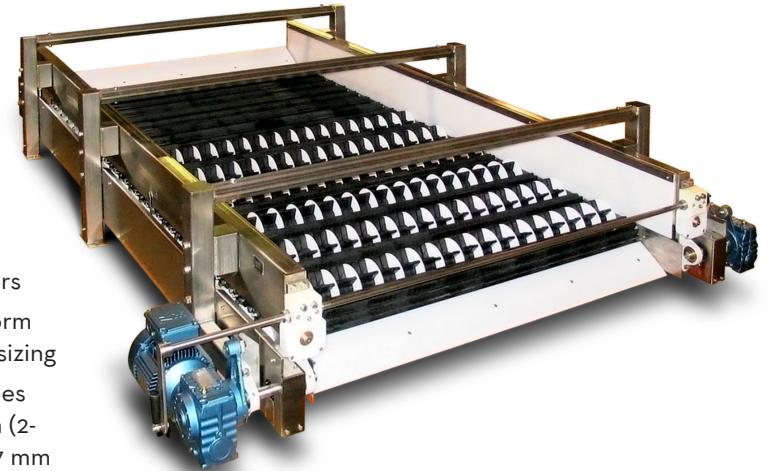
The system uses a series of rotating steel shafts with rubber rollers, arranged in pairs. The first shaft in each pair uses our proprietary Flite Roller, and the second uses our proprietary interlocking paddle wheel rollers and discs, to form specific size pockets. Potatoes of the target length and within 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.



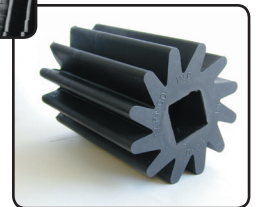
Benefits

- 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 13 mm (1/2”) 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 70 mm (2-3/4”) and maximum minor diameter of 57 mm (2-1/4”)
 - “Six paddle” roller targets shorter length potatoes with maximum major diameter of 51 mm (2”) and maximum minor diameter of 44 mm (1-3/4”)
- 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

Key Technology

150 Avery Street • Walla Walla, WA 99362 • USA

Phone: 509.529.2161 • Fax: 509.527.1331 • product.info@key.net • www.key.net



Specifications & Information

- Capacity:
 - Model LNG-46: 13,608 kg/h (30,000 lb/h)
 - Model LNG-57: 18,144 kg/h (40,000 lb/h)
- Sizing:
 - Preconfigured at factory to select out one target length and under
 - Can be set in 25 mm (1") increments, from 51 mm to 127 mm (2" to 5")
 - Efficiency 90 percent or better (typical)
- Dimensions:
 - Overall width: 1838 mm (76-3/8") or 2403 mm (94-5/8")
 - Bed width: 1219 mm (48") or 1524 mm (60")
 - Overall length: 1924 mm (75-3/4") or 3302 mm (130")
- Style: Open frame with legs
- Construction: Stainless steel frame, mild steel shafts, plated fasteners
 - Stainless steel shafts and fasteners available
- 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
LNG-46	Inches (mm)	48 1221	78 5/8 1997	45 1143	68 5/8 1744	61 1/2 1562
LNG-57	Inches (mm)	60 1525	86 5/8 2201	53 1346	80 5/8 2049	73 1/2 1867

