



## K3 - K3.5 High Shear Mixers

Model K-3 & K3.5 High Shear Mixers feature counter-current mixing technology and excel in homogenizing, agglomerating, granulating, pelletizing and densifying in one machine, one process.

This high intensive action produces very thorough mixes in extremely short mixing times.

K3-K3.5 Mixers are well-suited for small production work or prototyping.



### Specifications:

Model 3	Model 3.5
Working Capacity: 2.5 Cu. Ft. / 70 L	Working Capacity: 6 Cu. Ft. / 170 L
Weight: 3,000 lbs	Weight: 3,500 lbs

OPTIONS: Special pan linings, stainless steel construction, heating or cooling.

### Design Features:

- Rotor with single, dual or variable speed drive
- Precision labyrinth seal rings provide for dust containment
- Flat inside lid for easy cleaning of mixing area
- Variety of mixing tools available
- Complete material handling and batching systems are available

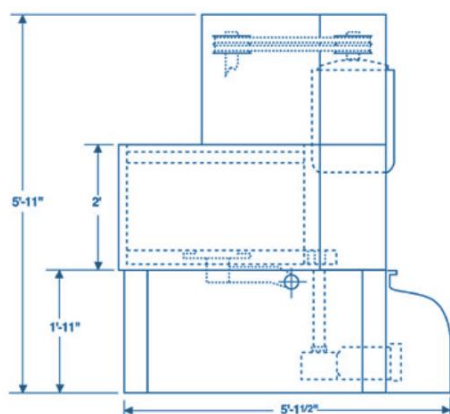
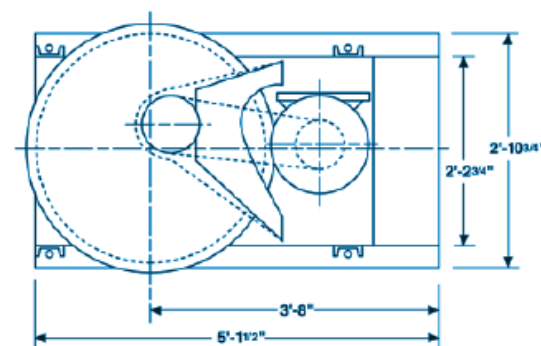


Lancaster High Shear mixers are used in diverse industries seeking improved mixing, blending, pelletizing or granulating processes with reduced additives and short, economical mixing times.

## HOW THE LANCASTER K3 – K3.5 HIGH SHEAR MIXER WORKS

The K-3 mixing principle is the same highly acclaimed counter-current action of all Lancaster Mixers. The gear driven pan turns clockwise, bringing the material into the counter rotating high speed rotor. This hi-intensive action produces very thorough mixes in extremely short mixing times. The rotor can have single, dual or variable speed drive.

The stationary side wall scraper has an extended lower blade to aid in bringing material into the rotor and to aid in discharging. Discharging takes place through a central bottom gate, operated by a cylinder.



**Lancaster High Shear Mixers can handle a wide variety of materials from powders, to slips and slurries, to taffy-like materials with viscosities exceeding 1,000,000 CP.**