



K-1 High Shear Lab Mixer

The K-1 Lab Mixer adds a new dimension to the mixing/pelletizing process.

Our high shear lab mixer is ideal for testing, experimentation and development of new processes.

An economical and rugged machine that can also be used for small production work.



Specifications

Attribute	Imperial	Metric
Pan Volume	0.7 cu. ft.	20 L
Working volume	0.3 cu. ft.	8 L
Pan motor	$\frac{3}{4}$ HP	0.6 Kw
Pan speed	Variable to 50 rpm	
Rotor motor	3 HP	2.25 Kw
Rotor speed	Variable to 3000 rpm	
Weight	1100 Lbs	500 Kg
Length	40"	100 cm
Width	30"	75 cm
Height	53"	135 cm

Design Features:

- Removable stainless-steel mixing pan with 0.3 cu. ft. capacity
- Large viewing port on pan cover for adding process materials, observing the mix, and sampling
- Touch screen control on independent control stand
- Thermocouple mix temperature reading
- Dual hand safety buttons for operating mixing head

OPTIONS: pan heating and cooling, various rotor styles

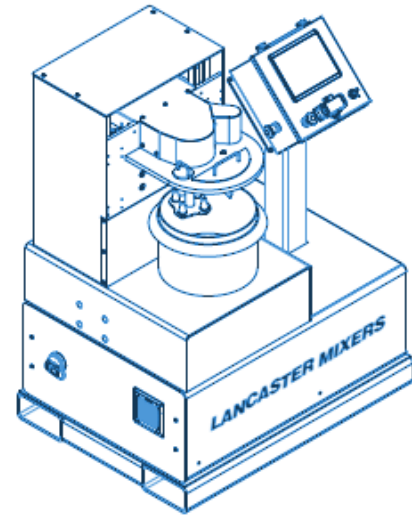
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HOW THE LANCASTER K1-LAB MIXER WORKS

The K1-Lab Mixer has the same counter-current mixing design as all Lancaster Mixers with the clockwise rotating pan bringing material into the counterclockwise high speed rotor.

This mixing design provides not only improved mix quality but can pelletize in one process step. The rotor and pan speed are infinitely variable.

These features, combined with the rugged construction and the various styles of rotors available, make the K1-Lab the mixer of choice for almost any type of batch mixing.



ELECTRICAL CONTROL FEATURES

- Electronic individually controlled speeds of pan and rotor
- Pre-programmable mix design times
- Input or adjust pan and rotor speeds before or during operation
- Data record of operating functions can be exported to a USB or other device