

# LANCASTER PRODUCTS

World Leaders in Material Processing Equipment



## Lancaster® K-Lab High Shear Mixer

**LANCASTER  
PRODUCTS**

Manufactured by Kercher Industries, Inc.

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The Lancaster Products Line of Material Processing Equipment

High Shear K-Series Mixers

Low Shear L-Series Mixers

K-Lab Mixers

Pug Mills

Roll Crushers

Table Feeders

Automated Material Handling and Batching Systems

AutoBrik Molded Brick Making Machines

# Lancaster® K-Lab High Shear Mixer

The Lancaster K-Lab Mixer was developed as a rugged mixer to economically meet the needs of most laboratory, prototype, or small production work. The K-Lab has the same counter-current mixing design as all Lancaster Mixers with the clockwise rotating pan bringing material to the counter clockwise spinning rotor.

The rotor and pan speed are infinitely variable. These features, combined with the rugged construction and the various styles of rotors available, make the Lancaster K-Lab the mixer of choice for almost any type of batch mixing.

The separate control pedestal conveniently positions all controls for easy operation of all mixer functions. Included in the control panel are separate motor amp meters for monitoring the current input to both the rotor and the pan. Also included is an easily set timer which begins timing when the rotor is started and automatically shuts down both the rotor and pan when the time period ends.

The mixer head, with the stainless steel mixing rotor and side wall scraper attached, is raised and lowered using a linear actuator operated by a reversing switch on the control console.

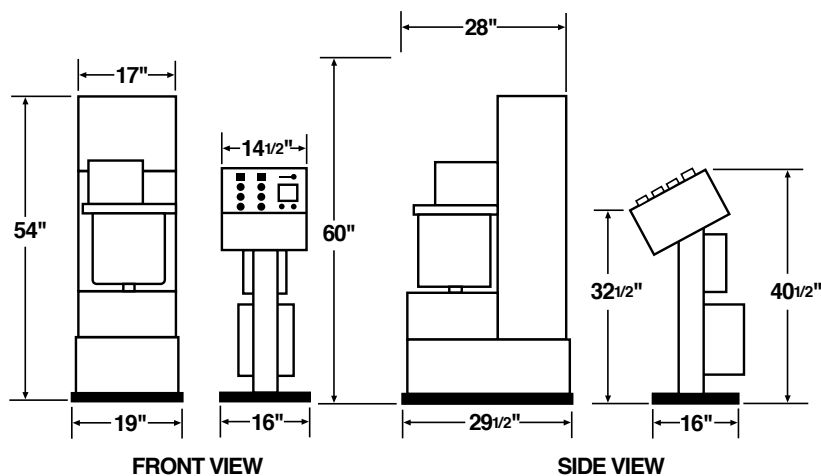
The 12" diameter stainless steel pan is readily removable for easy cleaning and batching. Additional pans can be used for prebatching and cleaning to reduce total cycle time when greater production is desired.

Pan heating is an available option.

## CONTROL FUNCTIONS

- Separate rotor and pan controls
- Motor on-off illuminated push buttons
- Graduated variable speed controls, pan/plow
- Current measuring ampmeters
- Head position switch
- Timer
- Emergency stop
- Main power disconnect

Pan volume	.75 cu. ft.	20 lt.
Working volume	.50 cu. ft.	14 lt.
Pan motor	1 hp	.75 kw.
Pan speed	0-40 rpm	
Rotor motor	3 hp	2.25 kw.
Rotor speed	0-3000 rpm	
Weight	800 lb.	360 kg.



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All information is subject to change without notice.  
Parts and assembly made in the U.S.A.

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