

WESTRUP LABORATORY EQUIPMENT

LA-K Gravity Separator

The Westrup LA-K gravity separator for laboratory use is designed for batch and continuous flow separation of small volumes of seed or grain, which have already been separated with regard to width, length, and thickness. The gravity separator exploits the smallest differences in the specific weight of the product, and it is therefore possible to separate heavy kernels with high germination ability from light and less viable kernels. The gravity separator can also be used in laboratories for recycling or in chemical factories. The machine is constructed of steel with the oscillating grading deck of laminated wood; mounted on a convenient worktable.

The Westrup gravity separator has a positive pressure deck fan system with air volume throttle and interchangeable deck coverings. You can order our full size or reduced area decks for smaller lot sizes. The deck pitch is adjustable in both directions and the eccentric strokes and lengths are also adjustable. A tachometer is provided to monitor deck agitation frequency. The LA-K separates material into five product density fractions and collection trays are included. The unit is rated at 220 lbs (100kg) per hour on wheat. Complete with 4/5HP motor which requires 870 watts of power and generates 0–500 RPM, and one full or reduced area deck. Ship wt: 800 lbs, Ship dims (with stand): 50" (L) x 34" (W) x 66" (H).



- Laboratory Gravity Separator with Full Sized Deck..... **No. LA-K/B**
110V, 60Hz/1PH
- Laboratory Gravity Separator with Full Sized Deck..... **No. LA-K/C**
220V, 50Hz/1PH
- Laboratory Gravity Separator with Full Sized Deck..... **No. LA-K/D**
110V, 50Hz/1PH

- Crating Charge **No. LA-K/DOM**
- Additional Full Size Deck Cover..... **No. LA-KD**
- Additional Reduced Area Deck **No. LA-KDR**
- Aspiration Hood..... **No. LA-KA**
- Large Feed Hopper **No. LA-KH**

LA-LS Air Screen Cleaner

The Westrup LA-LS air/screen cleaner is a precision/fine cleaner for laboratory use as well as for small scale production in research stations, institutes etc. The LA-LS can be used for batch and continuous flow separation. It is very well-suited for preparation of all seed types such as vegetable seed, grain, oil seed, grass seed, clover seed, etc. as well as for flower seed and spices. It is capable of a continuous cleaning capacity of up to 120kg per hour on wheat. The machine is constructed of steel with sieveboat of laminated wood and mounted on a convenient worktable.

Cleaner includes steel table stand, top vibratory feed hopper, main eccentric drive with variable speed drive, one main shoe with short pre-scalp, and two main screens for scalping and sifting. Main screens with ball screen cleaning, pre and final aspiration, settling chamber with collection tray for lifted product and calibrated air controls. There is an inspection window in final air column, a bottom bag filter and side-mounted cyclone dust collector with bottom-mounted fan with adjustable air gates including white enamel collection pans for prime and cull products. The LA-LS is available in either 50 or 60Hz, 110 (with autotransformer) or 220V with start/stop and supplied with a 4/5HP motor with an RPM of 0–500 and requires 870 watts of power. Includes one set of screens; Sieveboat with 1 short scalping screen 250mm x 250mm and 2 long grading/fines screens 250mm x 500mm; screen area 0.34 m²; long screens with rubber ball cleaning; variable speed drive with frequency converter and digital readout. Ship wt: 660 lbs, Ship dims (with stand): 50" (L) x 44" (W) x 75" (H).



- Air Screen Cleaner, 110V, 60Hz/1PH **No. LA-LS/B**
- Air Screen Cleaner, 220V, 50Hz/1PH **No. LA-LS/C**
- Main Screen No. 1 (1.0mm–1.95mm Perf.)..... **No. LA-LSMS1**
- Main Screen No. 2 (2.00mm and Larger Perf.)..... **No. LA-LAMS2**
- Pre-scalp Screen No. 1 (1.0mm–1.95mm Perf.)..... **No. LA-LSPS1**

- Pre-scalp Screen No. 2 (2.00mm and Larger Perf.)..... **No. LA-LSPS2**
- Optional 3 Main Screens In a 'Z' Configuration..... **No. LA-LSZ**
- Large Feed Hopper **No. LA-LSH**
- Outlet Pipe Connections for Discharge to Floor Buckets..... **No. LA-LSOP**
Does Not Include Buckets

Contact us for additional accessories not listed.