



**"S" SERIES**  
Single Deck Sizing Shaker



**"D" SERIES**  
Double Flow Sizing Shaker



**LEWIS M. CARTER MANUFACTURING COMPANY**

**FOURTH GENERATION FAMILY BUSINESS WITH OVER 70 YEARS EXPERIENCE IN DESIGNING AND BUILDING PROCESSING EQUIPMENT.**

**WE AT LMC TAKE PRIDE IN OUR ABILITIES, OUR INNOVATIONS, OUR PEOPLE, AND OUR CUSTOMERS. LMC IS A QUALITY DRIVEN COMPANY WITH EMPHASIS ON PERFORMANCE, RELIABILITY AND CUSTOMER SATISFACTION.**

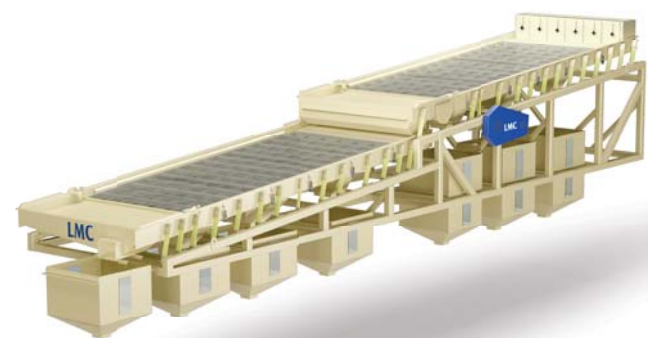
- ASPIRATORS
- BEAN POLISHERS
- CLEANERS
- CONVEYORS
- DESTONERS
- ELEVATORS
- GRAVITY SEPARATORS
- HARD SHELL CRACKERS
- PEANUT BLANCHERS
- PEANUT SHELLERS
- PREHULLERS
- SHEAR ROLLS
- SIZING SHAKERS



**"P" SERIES**  
Parallel Deck Sizing Shaker



**"R" SERIES**  
Reverse Flow Sizing Shaker



**"SDS" SERIES**  
Split Deck Sizing Shaker



**"Stacked" SERIES**  
Stacked Sizing Shaker

**STANDARD SPECIFICATIONS**

- Heavy duty tubular steel frame
- Product distribution hopper
- Removable ball trays in 2' long sections
- Quick-change screen system
- Deck sizes from 24" to 84" wide
- Counterbalanced design
- OSHA compliant safety guards



Lewis M. Carter Manufacturing Co.  
615 Highway 84 West  
Donalsonville, GA 39845

TOLL-FREE 800. 332. 8232  
FAX 229. 524. 2531  
EMAIL [lmc@lmcarter.com](mailto:lmc@lmcarter.com)



Lewis M. Carter Manufacturing (Canada) Ltd.  
835 - 58th Street East  
Saskatoon, SK S7K 6X5

CANADA 306. 242. 9292  
FAX 306. 934. 4840  
EMAIL [lmc@lewisincarter.com](mailto:lmc@lewisincarter.com)



#### DISTRIBUTION HOPPER

To ensure even distribution of the product across the screening sections, a product distribution hopper is a standard attachment on all LMC Sizing Shakers.

#### SCREENING

Screen combinations, along with deck configuration, can be arranged to perform sifting and scalping operations on the same machine. LMC's quick-change screens are manufactured in 2' sections for easy exchange.

#### DECKS

It is essential for the product to be properly distributed to the screening surfaces. In most cases, the siftings are generally lighter than the larger product. These siftings migrate to the top and product depth increases, resulting in the siftings being carried over with the accepts. Proper distribution, deck position, as well as spring orientation help overcome carryover.

#### BALL TRAY

Screen blockage is prevented by using 2" balls. LMC tried the woven type ball racks similar to those used by others. LMC found the relatively flat surface of woven ball racks did not give the proper aggressive, random action to the cleaning balls. Therefore LMC developed a special system using round rods to impart the required action to the cleaning balls. All ball trays are manufactured in 2' long removable sections for easy clean out when sanitation is a high priority.

#### CONSTRUCTION

Constructed with mechanical steel tubing, the framing is strong and sanitary. Likewise, the shaker decks are manufactured using steel components. Mild steel contact surfaces are standard with stainless steel options available.

#### SPOUTS

Each machine is custom designed to include a spouting configuration that matches the customer's unique situation. Size, location, and orientation of spouts are some of the many modifications that LMC can incorporate into the design to accommodate certain separations or space constraints.

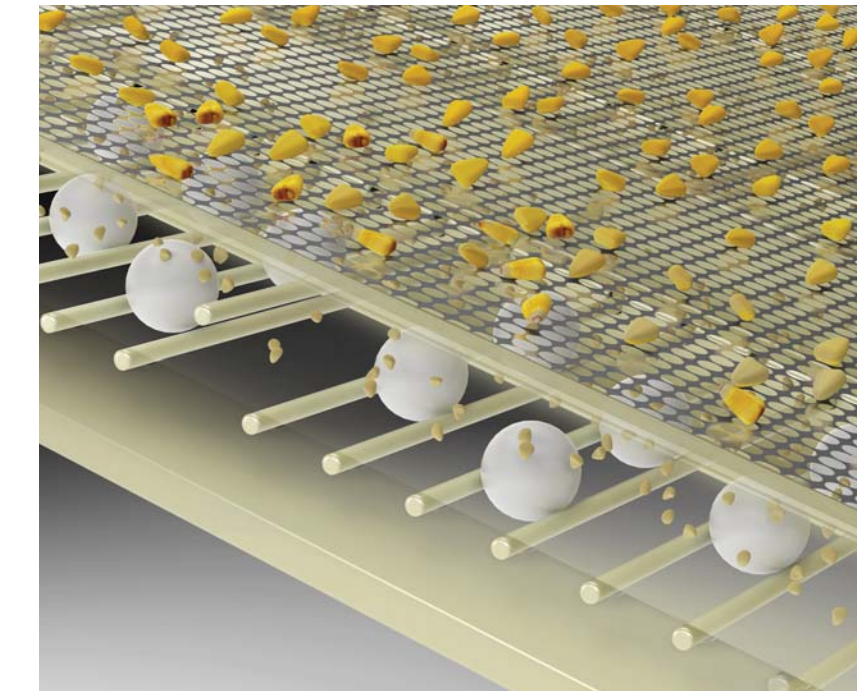
## LMC SIZING SHAKER

The LMC Sizing Shaker is used to separate products by specific size. Multiple separations can be made depending on which units are utilized. Since LMC manufactures a variety of perforated screens, special screens are no problem. The decks are configured so the eccentric action causes balls to randomly bounce on the underside of the screen and keep the screen clean.

Another advantage of using LMC Sizing Shakers is the quick-change capability for these screening sections. Adding even more versatility to our shakers is the large selection of spouting configurations available.

All LMC Sizing Shakers are dynamically counterbalanced by either opposing decks or an active counter balance. Counter balancing allows for a smoother operation and a longer life.

Specialty machines are very common at LMC. Various products react differently to the screening process. LMC uses extensive experience to combine the pitch of the deck, the eccentric action and the size and shape of perforations in the screen to make the best separation possible. If the product is something new, it will be tested in our Research and Development Lab to find the best separation solution.



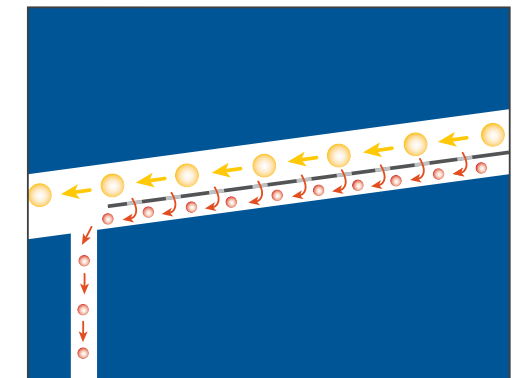
#### PRINCIPALS OF OPERATION

LMC Sizing Shakers perform separations based on product profiles. The forward eccentric motion of the deck tumbles the product, presenting itself to the screen. Undersized product falls through the perforations in the screen for a uniform separation, whether scalping or sifting.

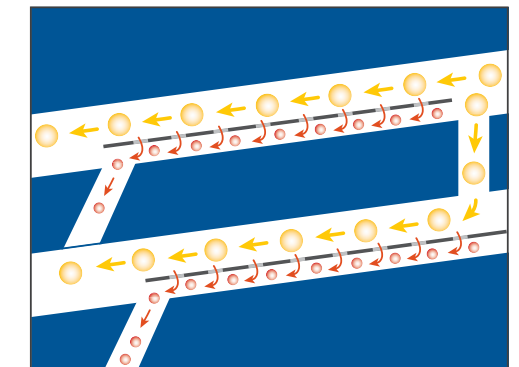
#### OPTIONAL FEATURES

- Stainless steel product contacts and complete stainless steel units available
- Stick belt kits and poly screens available for stick removal
- Canopy, drag, and side curtains for dust control and product containment
- Stacked sizing unit configurations available for additional separations
- Aspiration systems can be incorporated for cleaning applications

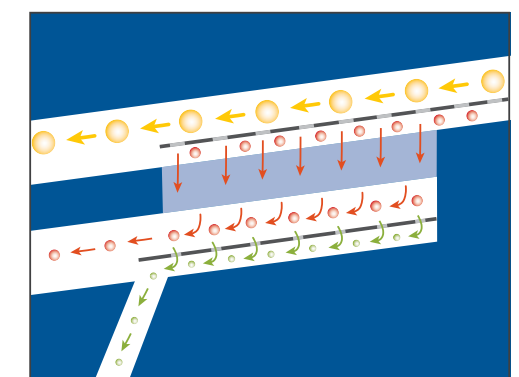
#### SINGLE FLOW UNIT



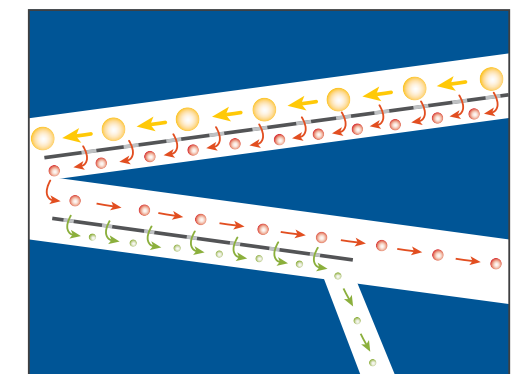
#### DOUBLE FLOW UNIT



#### PARALLEL FLOW UNIT



#### REVERSE FLOW UNIT



■ RIDES

■ FALL THROUGHS

■ SECOND FALL THROUGHS