Product Capacity Specifications											
Marc Model	Capacity	Small Seed	Medium Seed	Large Seed	Energy		Dust	Weight	Dimension		
					ECC	FAN	HOOD CFM REQ.	lbs / kg	HT	WD	LG
500	620 cu. ft/hr	170 bu/hr 4627 kg/hr	400 bu/hr 10,886 kg/hr	500 bu/hr 13,608 kg/hr	3 HP	15 HP	17,000	7050 / 3198	82.5" (210 cm)	80" (203 cm)	128" (325 cm)
400	420 cu. ft/hr	102 bu/hr 2776 kg/hr	240 bu/hr 6532 kg/hr	350 bu/hr 8165 kg/hr	3 HP	10 HP	14,000	5550 / 2517	82.25" (209 cm)	68" (173 cm)	104" (264 cm)
300	310 cu. ft/hr	85 bu/hr 2313 kg/hr	200 bu/hr 5433 kg/hr	250 bu/hr 6804 kg/hr	3 HP	7.5 HP	10,000	4600 / 2086	81.75" (208 cm)	68" (173 cm)	85.69" (218 cm)
200	200 cu. ft/hr	55 bu/hr 1497 kg/hr	128 bu/hr 3484 kg/hr	160 bu/hr 4355 kg/hr	2 HP	5 HP	8,000	3800 / 1723	81.75" (208 cm)	63.5" (161 cm)	80" (203 cm)

Note : Capacities of Gravity Separators vary according to the differences in the specific gravity and particle size of the commodities being separated. Capacities will vary depending upon how close a separation is required.

Food Safety Construction

The Marc is designed per food quality construction standards. The finishes and contact surfaces meet the rigid requirements for proper sanitation. Sanitary design is particularly important in today's processing where our customers are continuously changing between food products. The Marc is self-cleaning and the screens can be changed in less than 20 minutes. Our customers find the Marc Series bolsters their ability to produce cleaner and safer food products.

LMC's integrated systems form the basis of an efficient manufacturing process. With emphasis on performance, reliability, and customer satisfaction, **LMC** engineers and customizes world class machinery.

LMC
LEWIS M. CARTER
MANUFACTURING

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

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LMC
LEWIS M. CARTER
MANUFACTURING

LMC GRAVITY SEPARATOR

MADE IN THE USA

The MARC™ Series, named after **LMC**'s founding father, sets the industry standard for reliability, durability and flexibility. From its innovative discharge system to its hallmark ripple deck coverings, the Marc produces precise, exact separations. Customers expect any gravity separator to separate products according to specific gravity. However, the completeness of separation is a key component of success. Only with an **LMC** Marc can you obtain a total, exact, and distinct separation. **LMC**'s Marc Series has the capability to recognize extremely close differences in specific densities.

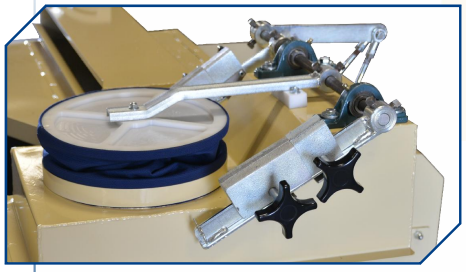
High Capacity
Total, exact, distinct product separation.

Three Key Components: Reliability, Durability, and Flexibility

Reliability and durability have a great impact on a facility's bottom line. **LMC**'s Marc Gravity Separators are built with heavy duty frames and precise mechanical design features. Since the Marc is so well built, customers typically realize a decrease in repairs and downtime. Through expert research and development, the Gravity Separator has the ability to work with any dry, flowable product. This flexibility, along with the separator's ease of operation, has made **LMC** a leader in the separating and cleaning industry.

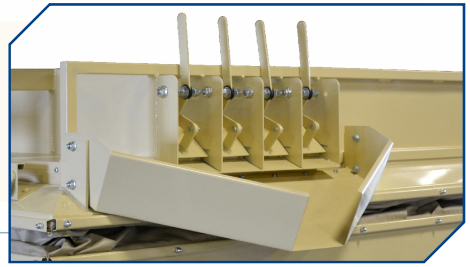
LMC's On-Site Laboratory

LMC offers a free laboratory analysis of your product to discover its separating challenges. After receiving your product, **LMC** and the laboratory will perform tests to evaluate various separating and cleaning options. Based on the research, **LMC**'s diagnostic team will make an integrated system recommendation for your product.



Automatic Discharge System senses product depth and adjusts the discharge gate for fluctuations in product flow. This consistent bed depth eliminates constant readjustment.

Multi-Lights Adjustable Gates enable precise control when adjusting light product discharge.

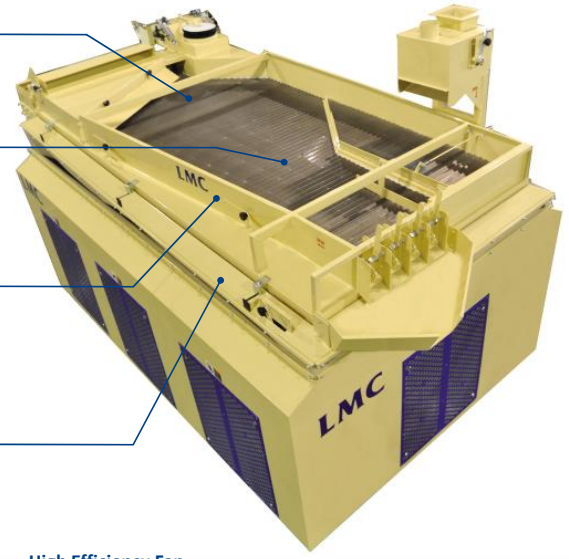


The Fluidized Bed is created using a single super-quiet, high-efficiency fan.

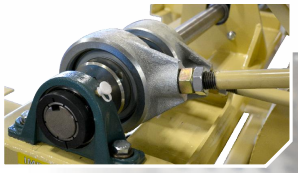
On The Deck Recirculation eliminates the need to have middle cuts. Middle cuts, with more handling, increase product damage. Gone are the blends seen on other gravity separators.

A Greater Bed Depth than other gravity separators actually allows **LMC**'s Gravity Separator to use the product to make more precise separations.

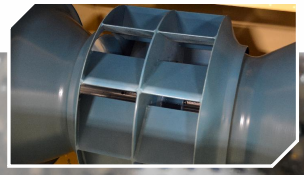
Three Component Deck System (Deck Cap, Insert, Diffusion Plate) allows for easy change between product changes and sanitation.



Heavy Duty Drive System



High Efficiency Fan



The Ripple Deck Design gives the deck covering more traction for the separating process. A more complete and distinct product separation is achieved.

Additional Features:

- The Counterbalanced Construction greatly reduces vibrations and extends machine life.
- The AC inverter controls, with a digital RPM display on the eccentric and fan motors, allow simple micro-speed adjustments.
- A Dust Hood is available as an option.