

LABORATORY GRAVITY SEPARATORS

Oliver™

Processing for a more productive planet.

THE MOST ACCURATE SEPARATIONS POSSIBLE FOR SMALL SAMPLINGS OVER A HUGE RANGE OF MATERIALS, ½" OR LESS IN SIZE

Separate smaller samples of similar sized materials (seed, grain, spices, herbs, mineral sands and more) with outstanding efficiency. Integrating some of the best features of our full-size machines, Oliver's *Labratory Gravity Separator* achieves unsurpassed performance in concentrations of high value, low volume samples. This is the only lab-sized separator durable enough for constant use in Oliver's own R&D testing lab.

- Specialized machine and deck design for small lot processing, up to 500 lbs / hr
- Low noise
- User-friendly design
- Electronic control for the most precise fan and eccentric speed adjustment
- Longest warranty in the industry — 3 years
- Fast service and tech support turnaround from our USA plant



30ACM Laboratory Gravity Separator with optional equipment



Model	30	30M	30ACM
Height	54" (137 cm)	54" (137 cm)	54" (137 cm)
Width	42" (107 cm)	42" (107 cm)	42" (107 cm)
Length	42" (107 cm)	42" (107 cm)	42" (107 cm)
Deck size	30" x 36" (76 x 91 cm)	30" x 36" (76 x 91 cm)	30" x 36" (76 x 91 cm)
Weight	555 lbs (252 kg)	650 lbs (295 kg)	820 lbs (372 kg)
Shipping tare	755 lbs (342 kg)	850 lbs (386 kg)	1,100 lbs (499 kg)

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Machine specifications	30	30M	30ACM
Power requirements @ 480 V	4 Amps	7 Amps	9 Amps
Fan motor horsepower	2 hp (1.49 kW)	2 hp (1.49 kW)	2 hp (1.49 kW)
Deck motor horsepower	n/a	1 hp	1 hp

"M" Denotes Master Series, and includes the following key features designed for quicker installation, smoother service, easier operation and increased longevity.

- Active counterbalance for smoother operation with less vibration
- Indicator gauges for side tilt and end raise, feed flow, air pressure and eccentric speed
- Square-to-round discharge hopper transitions
- Aspirating feeder removes fine particles and keeps air clean
- Electronic deck speed control

"ACM" includes all of the above with the addition of electronic fan speed control.

Operations

Control parameters	<ul style="list-style-type: none"> • 30 and 30M – Air gates control air volume by zone, area • ACM – Fan speed adjustment • Discharge stream distribution control (All safely adjustable during operation) 	<ul style="list-style-type: none"> • Eccentric motion speed • Side tilt • Deck end raise (slope) • Product feed rate
Separation range	<ul style="list-style-type: none"> • <5% by weight 	
Dust control	<ul style="list-style-type: none"> • Aspirating feeder • Optional full dust hood with built-in feed and exhaust air adjustment 	
Discharge hopper configuration	<ul style="list-style-type: none"> • Standard – 3-spout • Optional – 2-, 4- or 5-spout hoppers 	
Maintenance	<ul style="list-style-type: none"> • Recommended lubrication interval – 12 months or 2,000 hours of operation 	
Warranty	<ul style="list-style-type: none"> • 3 years – longest in the industry 	

Performance – capacity, air flow requirements

Agricultural material	30	30M	30ACM
Large particle (1/4" – 3/8") Beans, corn, peas, coffee, almonds (10 mesh A deck)	500 lbs / hr (227 kg / hr)	500 lbs / hr (227 kg / hr)	500 lbs / hr (227 kg / hr)
Medium particle (1/8" – 1/4") Wheat, oats, corn, cereal grains	250 lbs / hr (113 kg / hr)	250 lbs / hr (113 kg / hr)	250 lbs / hr (113 kg / hr)
Small particle (1/16" – 1/8") Alfalfa, millet, sesame	100 lbs / hr (45 kg / hr)	100 lbs / hr (45 kg / hr)	100 lbs / hr (45 kg / hr)
(1/16" ≥) Clover, fescue, bluegrass	50 lbs / hr (23 kg / hr)	50 lbs / hr (23 kg / hr)	50 lbs / hr (23 kg / hr)

Options include

- Coated, stainless steel, ISE-flex overcovers
- Installation-ready single point connection electrical panels
- Capacity reduction board
- Worldwide motor voltages
- Vibratory feeders
- All stainless steel contact points available for food applications