

Oliver

Processing for a more productive planet.

FACTORY ACCESSORIES & UPGRADES



Performance, efficiency, longevity, safety and convenience enhancements.

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Processing for a more productive planet.

Due to our Constant Improvement process, every Oliver part order and machine can be unique. So that we can assure a perfect fit between the two, we make it our policy to confirm on exactly what model machine your new accessory will be installed. To ensure a perfect match and optimal performance, we ask that you contact us personally with all orders either by phone or email:

Phone: 888-254-7813 • Email: ContactUs@olivermanufacturing.com



FACTORY ACCESSORIES & UPGRADES

Oliver replacement parts and upgrades feature the same superior design and quality as the machines they fit on. Our engineers are constantly at work improving performance and longevity wherever possible. When machines last as long as ours, quality parts replacements, accessories and upgrades can represent significant long-term advantages in convenience, safety and productivity.



ELECTRONIC COMPONENTS

Oliver replaces direct manual adjustment linkage with the accuracy and reliability of electronic adjustment, memory and sensing for most of our machines.



ELECTRICAL PANELS & JUNCTION BOXES

Suited for all standard machines, these concentrate all electrical components which may include breakers, motor starters, VFDs, fuses and PLCs in a single disconnect. Available in a wide variety of voltages to meet any needs worldwide.

Significantly saves on time and expense. The electrical panels and junction boxes enable the electrical system to be covered under the full three-year warranty.



FAN OPTIDRIVE VFDs

Variable Frequency Drives introduce adjustability to all air fans. Incremental motor adjustment can add an infinite degree of fine-tuning to any separation process. Adjustments are made with super accurate digital readouts as a percentage of maximum speed. The electronics are housed in a dust-tight, wash-down enclosure that meets NEMA 12 ratings, and programmed at the factory for out-of-the-box use.



DECK OPTIDRIVE VFD

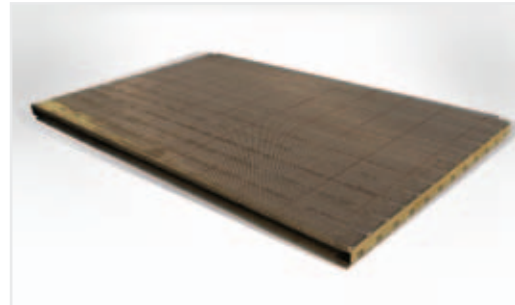
The same adjustable deck drives that come standard on all Maxi-Cap Gravity Separators and Destoners, are also available as options on all Hi-Cap machines. Monitoring and adjusting deck motor speed allows for optimal separation performance fine-tuning and reduces electricity usage. The electronics are housed in a dust-tight, wash-down enclosure that meets NEMA 12 ratings, and programmed at the factory for out-of-the-box use. Eliminates the mechanical spring pulley assembly.



MODULAR DECK

Replacement Oliver decks for dryers and larger separators are available in assemblies of two or more smaller sections. Modular decks which replace units originally manufactured in a single piece consist of up to five sections in varying lengths from 3 ½" to 6". Featuring substantially heavier aluminum and stainless deck rail set and clamping, these are ideal replacements for worn decks (sees the most wear and could be replaced individually). Ideal for tight installations where narrow spaces between machines and walls make disassembly for cleaning, repair or switch out and storage difficult or impossible.

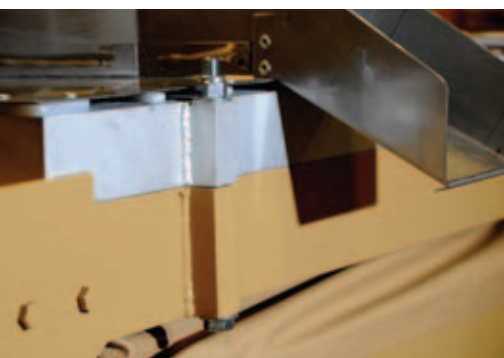
Also allows easier and more cost-effective product processing switchover between different products when particle sizes vary widely, and facilitates easier shipping for repair or maintenance. Makes deck removal a single person job. Smooth seams provide continuous flow of product.





DECK RAILS WITH HORIZONTAL RELEASE GATE *For Hi-Cap Gravity Separators*

Replaces old style pivot gates with long horizontal gates that are controlled from the operator side of the machine. This updated design releases material from the heaviest part of stratification. These introduce vertical separation, and no longer require walking around the machine to adjust. A cleaner design for more functional and efficient separation across a larger cross section of material flow.



UPGRADED DECK CLAMPING SYSTEM

This newly designed system connects carriage to deck with stronger Voyager-style technology that is less susceptible to structural fatigue. Features aluminum tubing construction with standard half-inch bolts that are popularly available over the counter.



H.D. DECK HOLD DOWN

An easy-to-install swivel T-bolt and slotted angle that replaces a small clamp and clip. A great improvement over the old spring clip deck hold down system, and already proven on our Maxi-Cap series. Also available on Hi-Cap machines, when upgrading to new aluminum deck carriage. Available for Hi-Cap Gravity Separators and Destoners with wood decks.

FLUSH MOUNT FILTERS

Cleaner, more compact, non-protruding filters fit older machines with very minor attachment modification. Flatter design installs into existing cutout to reduce damage that can cut airflow and compromise performance, can leak impurities or create dead airflow spots. A heavier, better built unit with stainless steel screen replacing brass. Bolt hold downs replace hand screws to meet safety guidelines to cover motors and belt drives. Comes standard on all new Oliver machines. Retrofittable on all older machines.

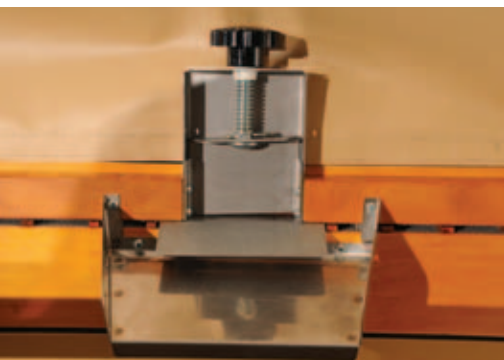


ALUMINUM DECK CARRIAGE

Redesign of the deck-supporting structure increases overall rigidity of carriage and deck, eliminating flex. Tubular aluminum construction provides enhanced corrosion resistance, better longevity and improved wash down capability. Results in improved separation and extended life cycle.

Retrofittable to old Hi-Cap Gravity Separators and Destoners. Now standard on all Oliver equipment.





ROCK TRAP / DISCHARGE GATES

Heavy contaminants side discharge gate allows precise metering of heavy discharge and easy periodic flush (discharge) of heavy material accumulating in rock traps or on the high side of the machine. The spring-loaded design can be operated with an adjustable wheel for raising gate to allow discharge. Alternately, the wheel can be left closed and the slide can be manually lifted against the spring. Infinitely adjustable for particle size. Available for all Hi-Cap Destoners and Gravity Separators.



TUFF-FLO URETHANE LINING

A spray-on interior coating that significantly extends the life and durability of our Blender Trough and Discharge Hopper. Also decreases noise and reduces product damage. Available on new machines or replacement Blender Troughs and Discharge Feed Hoppers.

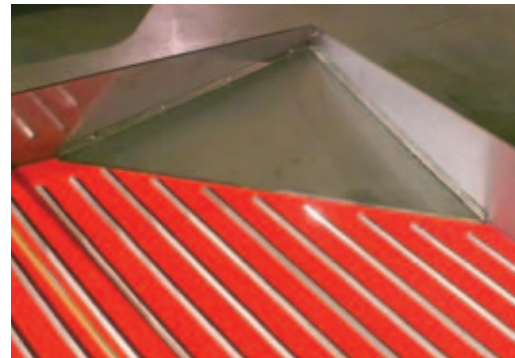
**SQUARE-TO-ROUND
DISCHARGE TRANSITIONS**

Converts stock square discharge outlets to round outlet. Allows your plant's round spouting to attach directly to your Oliver machine. Available as individual retrofittable pieces. Offered in 4" and 6" sizes.



CORNER CUTOFF PLATE
For Maxi-Cap Gravity Separators

Triangular stainless steel plate that fits in feed end, high side corner. Improves product distribution and better manages airflow for more effective separation. Standard on new models and easily retrofittable to models in the field.





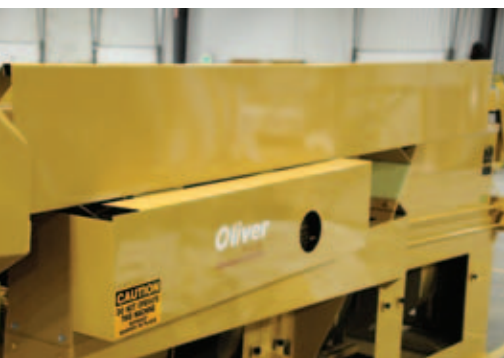
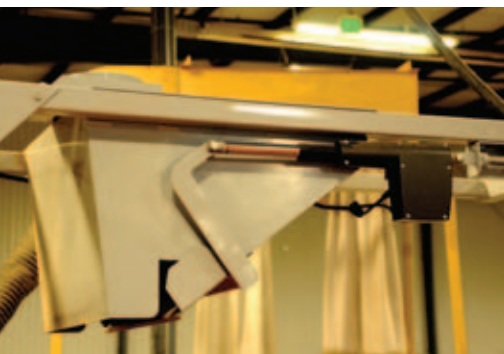
POWER FEED CONTROLS

Oliver has two systems that add automated product flow control to your machine, depending on how much control you want. Each system can be wired to a plant automation system.

THE ACCU-FLO FEED GATE is essentially an on-off pneumatic actuator where the open position can be infinitely adjusted for uniform feed rate. Uses a screw adjustment for flow control and pressurized air line for positive shut-off. Remote control helps prevent material piling on the deck at machine shutdown.

Available on all Oliver machines.

THE AUTOMATED FEED GATE continuously adjustable feed aperture that allows a nearly infinite and completely repeatable amount of feed control from the touch screen panel on a Voyager or Maxi-Cap Platinum Gravity Separator. Also completely shuts off feed at machine shutdown to prevent material piling on the deck. *Available on Maxi Cap Platinum and Voyager Gravity Separators.*



POWER BLENDER

The motorized Power Blender rapidly conveys good product to the discharge hopper, improving capacity and eliminating the wear and strain associated with earlier rod-driven blenders. Significantly extends operating life and promotes smooth, trouble-free operation. 1hp motor included.

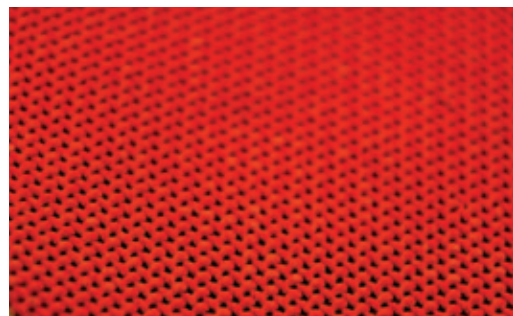
RATCHETING CLAMPING HANDLE

The Adjustable Ratchet-Style Clamp replaces the round clamp knob for faster and easier side tilt and end raise. The ratchet action of the clamping handle is easy to use and the long handgrip allows additional leverage for ease of adjustment.



COATED OVERCOVER

A more aggressive separation surface with better process performance and up to five times longer wear compared to the standard steel deck overcover. The coated overcover gives your Gravity Separator or Destoner better traction between the screen and product, increasing performance efficiency. For improved performance on both agricultural commodities and industrial materials.



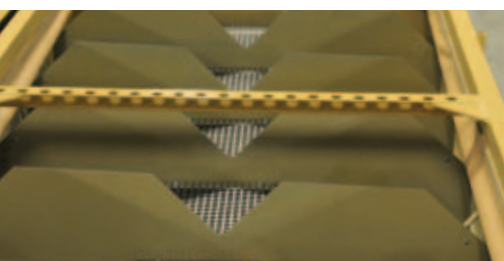
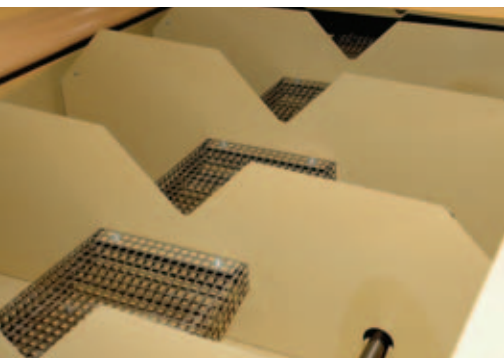


INSTRUMENTATION

Airflow gauges help adjust each fan speed, for more continuous and even product flotation. An electronic Tachometer is available for digital readout of eccentric (shake) speed. Plus, Angle Indicator scales show both deck side tilt and end raise adjustments.

These accessories allow all Oliver equipment to be set precisely and accurately with less operator effort. Both plant managers and operators have found these to be very useful tools in setup or when switching between products. Standard equipment on Hi-Caps and Maxi-Cap Gravity Separators and Destoners.

(For easier installation, we include a hole saw for air gauge installation.)

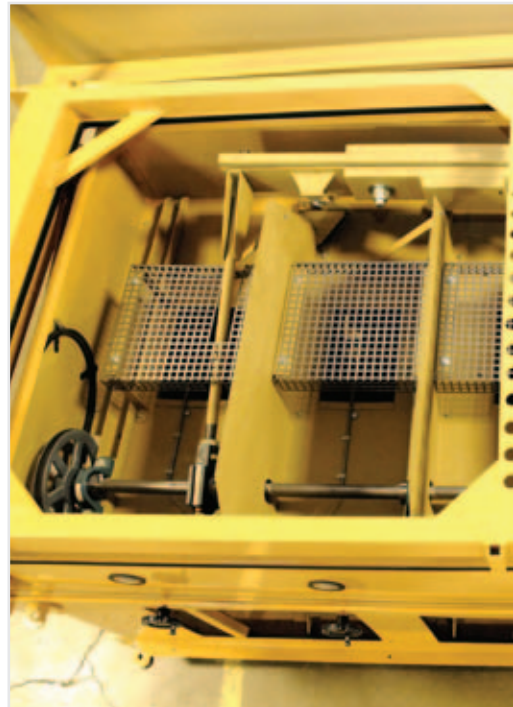


AIR CHEST DIVIDERS

Vertical air dividers installed between the fan and the bottom of the deck. These enable more accurate control over the adjustment of individual fans driving weighing air through the deck. They are standard equipment on Master and Maxi-Cap Series Gravity Separators and Destoners and all Hi-Cap machines manufactured after January 1, 1991. Air chest dividers can be retrofitted to most older Hi-Cap Gravity Separators, and standard machines are controlled through a rheostat.

COUNTER BALANCE

An assembly of counter-rotating mass timed to significantly reduce vibration transmitted by Gravity Separators or Destoners. In addition, it will increase the operational life of high-wear machine parts such as bearings, shafts, etc. Recommended for machines installed on or above grade floors or other locations where an adequate foundation is not available. May require additional equipment if installed with Air Chest Divider option. Standard on all Maxi-Cap Gravity Separators and Destoners, Voyagers and all Hi-Cap Master Series machines.



VIBRATORY PRODUCT FEEDERS

Vibratory feeders assure consistent product flow on materials that tend to jam at the intake. They can be installed with or without a Dust Hood to assist in uniform product flow, which is critical to separation efficiency. The vibratory feed rate is controlled through a touch screen on the Maxi-Cap Platinum and Voyager Gravity Separators.

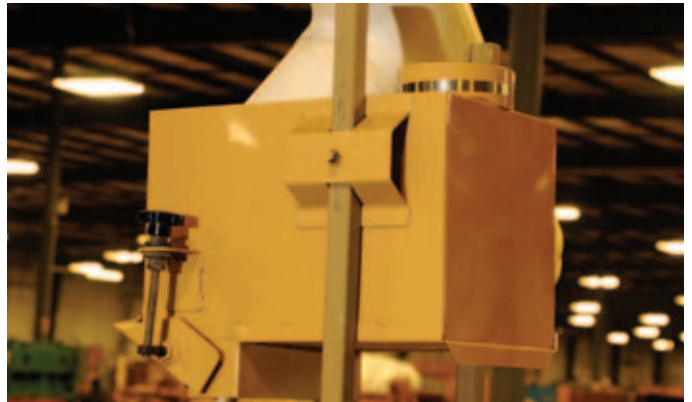




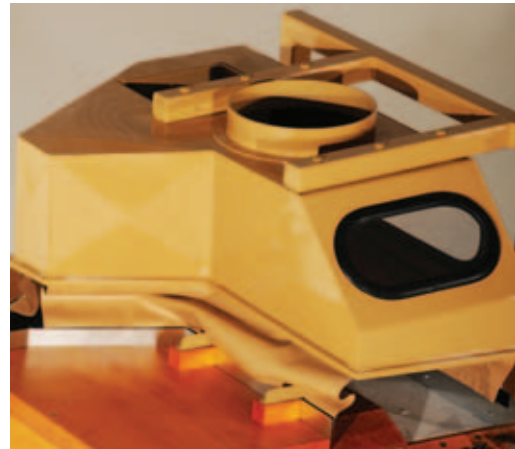
DUST CONTROL

Three economical means of removing light contaminants before and after the particles are delivered onto the separation deck. Product flows that contain dust, chaff, light and other contaminants.

Oliver offers *ASPIRATING FEEDERS* to convey product dust and chaff to an in-plant dust control system or an Oliver two-bag filter system. The Aspirating feeders can be ordered complete with fans, drives and bag filter system, and are generally capable of handling mild dust problems.



DUST HOODS enclose the entire separation deck, and remove all liberated dust from the product flow. Both partial and complete dust hoods must be connected to an in-house dust control system. Since a balance must be achieved between the hood exhaust air and the airflow required for separation, we include built-in exhaust air adjustment controls for precise balance of the incoming and exhaust air volume. Internal illumination simplifies visual inspection.



SIZE RIGHT ACCESSORIES



ONE-PIECE RIGID DOORS

Rigidized one-piece cylinder access doors with improved handles for positive door removal and better seating against body. Available hinges allow swing down without removal.

Viewing windows available.



ELECTRONIC DOOR SAFETY SYSTEM

This Allen-Bradley™ safety system uses coded magnet sensors to shut the machine down when they detect the door being opened. Can be fitted to cylinder doors plus the door enclosing the belts to the drive system. Retrofittable to all older Size Right machines purchased with electrical control cabinet.



SCREEN CYLINDERS

High-performance conical round and slotted sizer screen cylinders provide superior performance to all other sizing screens. Advanced design, more accurate slot pitch and extremely high tolerance manufacturing creates screens that outperform all others. *Standard units will fit Carter Day machines.*



ROLLER CLEANOUT SYSTEM

Patented hard plastic roller system to positively dislodge particles from the screen. Available for manual operation or as an automated pneumatic control system. Retrofittable to all older Size Right equipment and Carter Day machines.



ACCESSORY / UPGRADE GUIDE

PRODUCT LINE: **SIZE RIGHT FLUIDIZED BED DRYER**

Electronic Panels and Junction Boxes	○	○
Fan Optidrive Variable Frequency Drive		○
Deck Optidrive Variable Frequency Drive		○
Modular Deck		○
Aluminum Deck Carriage		
Upgraded Deck Clamping System		
Flush Mount Filters		S
Deck Rails with Horizontal Release Gate		
Rock Trap/Discharge Gates		
Corner Cutoff Plate		
Square-to-Round Discharge Transitions		○
Accu-Flo Feed Gate		○
Automated Feed Gate		
H.D. Deck Hold Down		
Racheting Clamping Handle		
Coated Overcover		○
Instrumentation		
Power Blender		
Tuff-Flo Urethane Lining		○
Vibratory Feeder	○	○
Counter Balance		
Aspirating Feeder		
Two-Bag Filter System		
Dust Hoods		○
Air Chest Dividers		○
One-Piece Rigid Doors	○	
Screen Cylinders	○	
Roller Cleanout System	○	
Electronic Door Safety System	○	

○ = OPTIONAL

S = STANDARD

GRAVITY SEPARATORS

DESTONERS

LABORATORY	HI-CAP	MAXI-CAP	VOYAGER	MAXI-CAP PLATINUM	HI-CAP	MAXI-CAP
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From our sole manufacturing plant and headquarters in Colorado, Oliver has built a worldwide reputation for outstanding hardware and dedicated, responsive service.

Whether you're upgrading existing equipment or would like increased ease of operation from the first day you purchase your new equipment, expect the best from your Oliver equipment upgrades and accessories.

For more information please contact us directly at any of the numbers below.

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