

BACKED BY A LEGENDARY
NAME IN SEPARATION

With Oliver Manufacturing, you get the benefit of direct support for quick response on all issues and the full weight of our American-based manufacturing and maintenance resources. Oliver engineering assures you of the most advanced design and a solid upgrade path for every innovation we develop on all machines.

Machine specifications (all models)						
Power requirements @ 480v	5 Amps with conveyor					
Cylinder motor horsepower	2					
Conveyor motor horsepower	1					
Safety	<ul style="list-style-type: none">• Locking doors• Roller cleanout system					
Screen options	<ul style="list-style-type: none">• Multiple conical, ribbed and flat screen configurations available• Split cylinders for multiple separations on a single pass• 0.003" tolerance is the closest, most accurate available					
Operations						
Control parameters	<ul style="list-style-type: none">• Cylinder rotation speed					
Dust control	<ul style="list-style-type: none">• Exhaust air outlet					
Discharge configurations	<ul style="list-style-type: none">• Optional vibratory conveyor					
Maintenance	<ul style="list-style-type: none">• Recommended lubrication interval — 12 months or 2,000 hours					
Warranty	<ul style="list-style-type: none">• 3 years — longest in the industry					
Machine features	<ul style="list-style-type: none">• Interchangeable quick change cylinders• Variable speed control with digital readout• Soft start timing belt drive	<ul style="list-style-type: none">• Stackable modular design• One-piece lift-off doors• Adjustable seed feeder• Simple single-door access				
Performance						
Material	5% Thrus		50% Thrus		95% Thrus	
	Bu / Hr	MT / Hr	Bu / Hr	MT / Hr	Bu / Hr	MT / Hr
Corn, round	45	1.14	75	1.90	90	2.28
Corn, slot	25	0.63	40	1.02	60	1.52
Peanuts, round	20	0.23	25	0.29	40	0.46
Peanuts, slot	25	0.30	50	0.59	75	0.85
Sunflower, round	10	0.14	15	0.22	20	0.29
Sunflower, slot	15	0.22	20	0.29	50	0.73
Rice, round	10	0.20	n/a	n/a	20	0.41
Rice, slot	30	0.60	n/a	n/a	50	1.00

Options include						
<ul style="list-style-type: none">Manual or pneumatic cylinder cleaning system with programmable timerVibrating conveyors for “thru” discharge, from either end — split conveyor available for use with split cylinders			<ul style="list-style-type: none">Accu-Flo feederProduct inspection doorsFull electrical control panelDoor safety sensor and E-stop			

EFFICIENT, SAFE AND EXTREMELY PRECISE
SORTING BY WIDTH AND THICKNESS

Perform product refinement and product cleansing with unparalleled accuracy. Oliver sets the standard in safety and precision with the *SIZE RIGHT® Precision Sizer*. Our custom cylinder screen fabrication enables sorting capacity with the closest tolerances available: down to 0.003" (3/1000").

Optional advanced dual mode screen cleaning (standard flappers with optional pressure rollers) assures maximum throughput and accuracy. Oliver offers a wide selection of models and a stackable modular design to help customize precision sizing capacity for each application. Outstanding performance provides the best possible results from downstream gravity separation.



- Heavy-duty, long-lasting components
- Most accurate cylinder screen tolerances available, with certified precision accuracy gauges
- All moving parts protected behind optional quick release, auto-shutoff safety doors
- Real-time digital speed control and RPM readout
- Optional dual mode cleaning and cleanout system
- Fast service and tech support turnaround from our USA plant

Model	SR #1	SR #2	SR #4	SR #6
Height	96" (244 cm)	91" (231 cm)	91" (231 cm)	91" (231 cm)
Width	19" (48.26 cm)	36" (91 cm)	40" (102 cm)	40" (102 cm)
Length	42" (106.7 cm)	50" (127 cm)	77" (195.6 cm)	108" (274.3 cm)
Weight, lbs /kg	450 lbs (204.12 kg)	800 lbs (362.9 kg)	1,250 lbs (567 kg)	2,150 lbs (975.22 kg)

OLIVER SIZE RIGHT® PRECISION SIZERS OUTPERFORM COMPETITIVE UNITS ON EVERY COUNT.

Flexible, more durable design, heavier gauge materials, unmatched safety, legendary factory support and the longest warranty in the industry make Oliver the superior choice when long-term performance matters.

Modular stackable design

Flexible design allows for single- or double-cylinder units to be stacked allowing more flexibility in the sizing operation.

Heavy-duty, one-panel door design

SIZE RIGHT® doors are a single formed rigid panel with optional viewing window, hinge and lockout switches available by request. The new hinge design option allows operators to lower the doors without removing them, allowing for less lifting and fewer obstructions during the cleaning of the machine.



Timed positive drive system

Maintenance-free notched and timed Kevlar belt offers superior wear life over a chain or V-belt. Kevlar construction reduces the number of moving parts and eliminates leaky gear boxes entirely. Indexed design aligns the cylinder rotation to stop in the same easy-to-remove position at every shutoff, saving time and effort. Notched cog and dedicated bearings at each end of cylinder provide twice the support of competitive units.

VFD digital speed control

Standard Allen-Bradley® PowerFlex® 40 VFD speed control includes digital display, which is essential when switching between different seed types (approx. 45 – 60 RPM). Digital speed control provides a degree of sizing precision that competitive units do not.

Safety lock system

The optional magnetically coded door interlock system brings the machine to an immediate halt whenever a door is opened.

Split vibrating conveyors

SIZE RIGHT® models include either double or single offset vibrating conveyors that are designed to discharge seed to both or either end of the machine. This simple, durable and reliable design offers a huge amount of flexibility for discharge options in new plant design or integration of an existing plant layout.



PRIMARY FLAPPER CLEANOUT

Oliver's standard independently driven flapper "slaps" against the cylinder continuously to dislodge stuck kernels back into the overs fraction.

PATENTED PRESSURE ROLLER CLEANOUT SYSTEM

Rollers physically engage the cylinder to push out lodged material that was not removed by the primary flapper cleanout and push stuck kernels back into the overs fraction. Pressure contact provides superior results and safety compared to other designs. Both manual and automated (with either pneumatic or electric actuator) cleanout systems are available.



QUICK CYLINDER CHANGEOUT

A cylinder can be changed in less than a minute. Indexed synchronized operation stops the machine at the changeout position every time. After locking out the machine and removing the door (with a single key), simply pull the cotter pin, slide the collar and lift

the cylinder out. No cumbersome spring loaded mechanisms or fork tools in cramped spaces. No shear pins to become dislodged and fall into the machine. Customers that have switched from other units to SIZE RIGHT® prefer Oliver's cylinders and quick change system.



PRECISION CYLINDER SCREENS

Proprietary Oliver SIZE RIGHT® cylinders are manufactured in the United States, in-house at Oliver's manufacturing facility. We harden our cylinders, use a conical design and construct them out of thicker gauge steel so that they perform better and last longer before replacement. Traditional round hole design is augmented by a tapered, slot design that increases machine performance and sizing accuracy for thickness. Oliver cylinders can also be retrofit to other manufacturers' sizers for a direct increase in machine performance.