

# Oliver

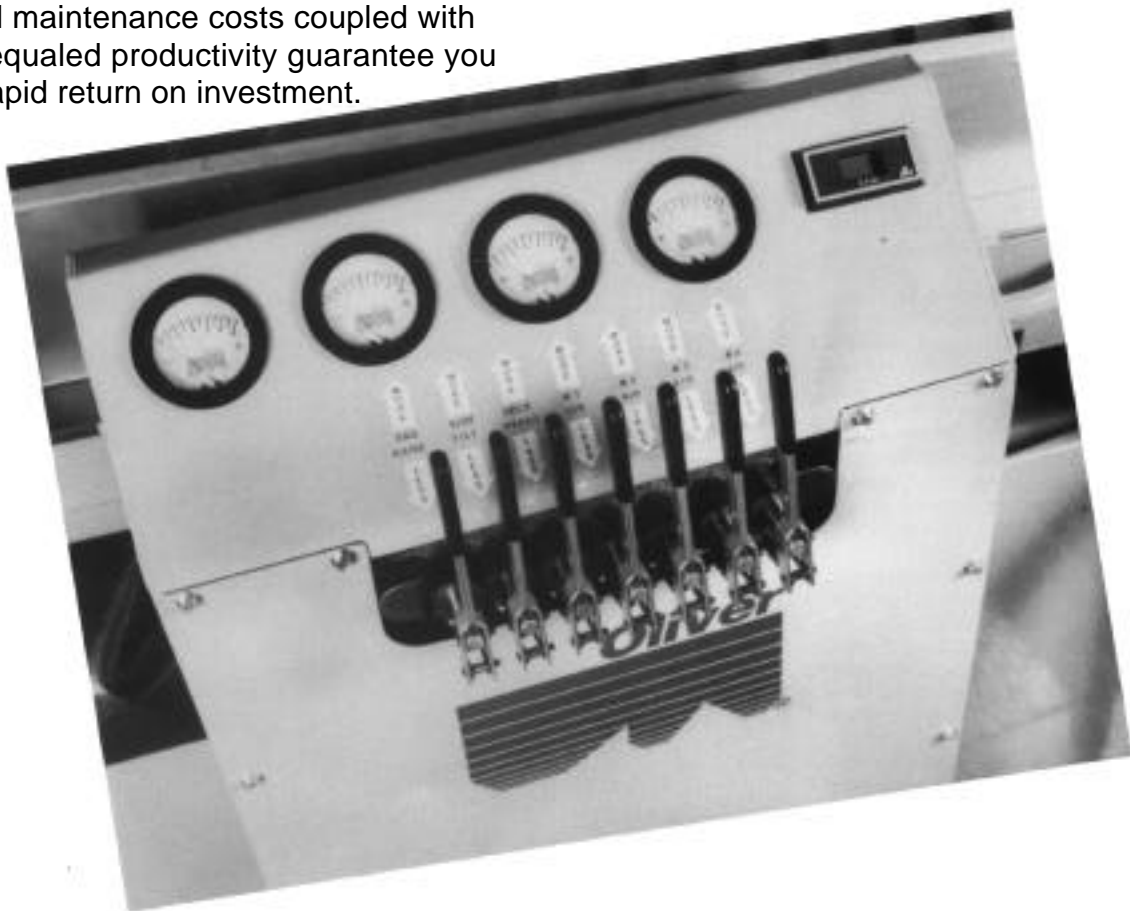
## Maxi - Cap

The new Oliver Maxi-Cap gravity separators are designed for the high capacities required by today's profitable operators. Instead of being built as a larger version of an existing machine, they are conceived from the ground up to give you precise performance at high capacity. For example, only the Oliver Maxi-Cap 4800 has the 90 square feet of deck area needed to give you a high quality separation at high capacity.

Maxi-Caps are the most cost effective units available today. Low operation and maintenance costs coupled with unequalled productivity guarantee you a rapid return on investment.

### Easy To Use

The Maxi-Cap was designed to be as easy to use as possible. Like it's predecessor, the Hi-Cap gravity, all operating adjustments can be made while the machine is running. Unlike the Hi-Cap however, all clamps and screw adjustments have been eliminated. All Maxi-Caps incorporate a patented suspension to hold adjustments without clamps. In addition, all controls feature direct reading indicators to allow precise, repeatable adjustments



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The Oliver Power-Flo blender is one reason why our new Oliver Maxi-Cap will deliver consistent high capacity regardless of product. Due to the independently powered design, it operates at a constant high capacity regardless of how the speed of the gravity is set. It is ruggedly constructed with few moving parts.

The new Oliver MaxiCap series represents a significant step forward in the evolution of gravity separator design. Instead of just building a larger model of an existing product line, we have constructed an entirely new series which is more adaptable to a variety of plant designs. We have incorporated all of the most requested features into this series of machines.

The new Maxi-Cap is available in a variety of configurations to suit every conditioning or processing application. Our engineering expertise is at your disposal so that no matter what dry granular product you wish to separate; if it can be done by specific gravity, we can supply the machine to do it. Whether you wish to reclaim precious metals, grade food products, or upgrade the quality of your product we have the experience to help you to do the job you want done. If your separation is out of the ordinary, we invite you to take advantage of our free laboratory service. We have both laboratory size equipment as well as full size production equipment. We can provide you with the answers you need.

Unique E-Z-Just control console -  
All Oliver Maxi-Cap's feature a central control console where all operating adjustments are made. Direct acting hydraulic controls allow you to make adjustments quickly with little or no effort.



## Machine Capacities

A gravity separator's capacity is a function of the difference in specific gravities as well as the size of the particles to be separated. Due to the wide variation in separation requirements, Oliver Manufacturing Company cannot guarantee these specific capacities; however these estimates have been equalled or exceeded when the gravity separators and other associated equipment have been installed and operated properly.

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The Oliver Maxi-Cap Gravity Separators represent an evolutionary step in gravity separation technology. They offer a unique combination of high capacity and high quality separation. At the same time they are easier to adjust and operate than any previous gravity separator. They possess several new and unique design features to give you more performance for your equipment dollar.

## **Minimum Vibration**

Maxi-Caps feature a state of the art, full counterbalance system. As a result, these machines will give you the most precise separation possible with little or no unwanted vibration. You can install Maxi-Caps on upper floors and other locations where equipment could not previously be installed due to vibration problems.

## **Rectangular Deck**

All three Maxi-Cap models feature an improved rectangular deck design. Constructed out of aerospace grade aluminum, stainless steel, and long wearing polyethylene, they are far superior in strength, freedom from false vibrations, and wear to steel and other commonly used materials. Because of this type of construction, the MaxiCap gravity separators can be used in areas where cleanout and food grade standards are a consideration. Maintenance is low due to the use of light, long wearing materials on product contact surfaces. This new deck will give you the superb, unequaled product separation that Oliver is renowned, at a greater capacity than ever before.

The improved rectangular deck was designed with the best performing materials available. It has proven to be very efficient requiring low maintenance.



## **Computer Designed Air System**

The new Maxi-Cap Gravity Separators feature Oliver's traditional multiple fan air supply system. This system, engineered using Computer-aided Design (CAD), is quieter and more efficient than any previous one. It gives you the air control

required to make the most difficult density separations. Oliver gives you the flexibility of adjusting each fan separately. Without Oliver's precise air control system, accurate weight separations are not possible.

Every Maxi-Cap Gravity Separator features an aspirating feeder as standard equipment. This feeder is designed to eliminate 85% of the loose dust in the product being conditioned. More complete dust control systems are available including full and partial dust hoods. If your product does not flow freely, contact Oliver for custom feeders.

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## Machine Capacities

Particle Size	Commodity Example	LBS./HR
<b>MODEL 2400</b>		
1/4" - 3/8"	Large Seed Beans, Corn, Peas 10 Mesh "A" Deck	15,000
1/8" - 1/4"	Medium Seed Wheat, Oats, Corn 16 Mesh "A" Deck	10,000
1/16" - 1/8"	Small Seed Alfalfa, Millet, Sesame 30 Mesh "B" Deck	5,000
<b>MODEL 3600</b>		
1/4" - 3/8"	Large Seed Beans, Corn, Peas 10 Mesh "A" Deck	24,000
1/8" - 1/4"	Medium Seed Wheat, Oats, Corn 16 Mesh "A" Deck	16,000
1/16" - 1/8"	Small Seed Alfalfa, Millet, Sesame 30 Mesh "B" Deck	8,000
<b>MODEL 4800</b>		
1/4" - 3/8"	Large Seed Beans, Corn, Peas 10 Mesh "A" Deck	30,000
1/8" - 1/4"	Medium Seed Wheat, Oats, Corn 16 Mesh "A" Deck	20,000
1/16" - 1/8"	Small Seed Alfalfa, Millet, Sesame 30 Mesh "B" Deck	10,000

## Dust Control

Certain products will have dust, chaff, and other very light contaminants attached to the individual particles. When these particles are exposed to the actions and air currents required during separation, the dust can be a problem. Oliver dust hoods will remove 99% of all dust.

Oliver dust hoods have built-in feed and exhaust air adjustment controls. Large windows permit constant visual inspection of the product during separation. Flexible skirting between the dust hood and the deck makes it possible to physically handle the product during separation.

Dust hoods require an external exhaust fan of sufficient size to operate properly. A balance must be achieved between the exhaust air and the air flow required for separation (refer to the graph for approximate CFM requirements). If your product is not listed please refer to a product of similar size and density.

Routing and distance must be taken into consideration when onsite CFM requirements are calculated. Should you require more specific data or technical assistance when computing proper CFM requirements, please feel free to contact our engineering department.

### GENERAL SPECIFICATIONS

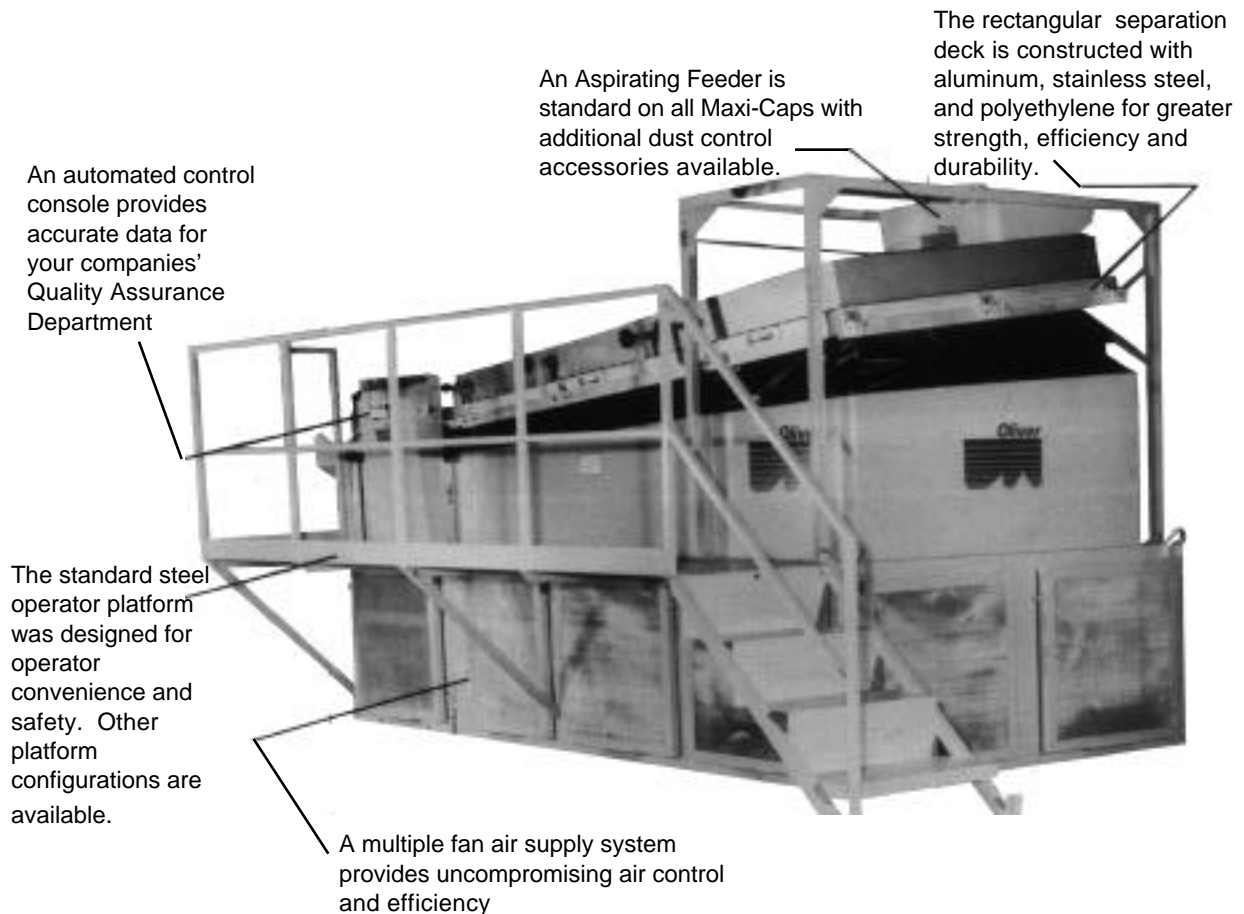
	MODEL 2400	MODEL 3600	MODEL 4800
Overall Dimensions (L,W,H)	134 x 100 x 92 (130 x 254 x 234 cm)	158 x 112 x 96 (401 x 284 x 244 cm)	194 x 124 x 102 (493 x 315 x 259 cm)
Net Weight	5,000 (2,270 kg)	5,800 (2,633 kg)	7,600 (3,450 kg)
Gross Shipping Weight	6,200 (2,815 kg)	7,000 (3,178 kg)	8,800 (3,995 kg)
Deck Size (W,L)	48 x 120 (122 x 305 cm)	60 x 144 (152 x 366 cm)	72 x 180 (183 x 457 cm)

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