

# MAXI-CAP DESTONERS

## HIGHEST CAPACITY REMOVAL OF HEAVY IMPURITIES FROM BULK PRODUCT



Separate high capacities of lighter harvest desirables (seed, grain, precious metals, plastics or minerals ½" in diameter or less) from heavy contaminants (such as glass, dirt, stones and metal) with outstanding efficiency. Add value and minimize process losses and equipment damage on a variety of products with the most precise destoner on the market: Oliver's legendary Maxi-Cap.

- Active counterbalance for smooth operation
- Hydraulic control over Air, Side- and End-Raise adjustments
- Multiple fans for better fluidization and stratification
- Longest warranty in the industry: 3 years
- Aspirating Feeder
- Fast service and tech support turnaround from our USA plant

# Oliver

Processing for a more productive planet.

Model	305	605	905	1205
Height	96" (244 cm)	96" (244 cm)	96" (244 cm)	96" (244 cm)
Width	54" (137 cm)	90" (229 cm)	126" (320 cm)	162" (412 cm)
Length	92" (244 cm)	92" (244 cm)	92" (244 cm)	92" (244 cm)
Weight	1,700 lbs (771 kg)	3,200 lbs (1,451 kg)	4,800 lbs (2,177 kg)	6,300 lbs (2,857 kg)
Shipping Tare	2,000 lbs (907 kg)	3,500 lbs (1,588 kg)	5,000 lbs (2,267 kg)	6,600 lbs (2,993 kg)

**Machine Specifications**

	305	605	905	1205
Power Requirements @ 480V	11 Amps	20 Amps	25 Amps	31 Amps
Fan Motor Horsepower	5 hp	10 hp	15 hp	20 hp
Deck Motor Horsepower	1 hp	1.5 hp		
Hydraulic Pump	0.5 hp			
Fans:	Multiple fan air supply Air volume and distribution individually adjustable for airflow on certain models Patented fan design for optimal particle concentration			
Safety:	Fully enclosed rotating assemblies OSHA Compliant Machine Guarding OSHA Compliant Catwalks with Handrails			
Screen Options:	Carbon Steel, coated steel and coated mesh Tonne-Cap Stainless Steel available for edible products Ise-Flex Overcover			

**Operations**

Control Parameters:	Air gates for air volume and distribution Eccentric motion speed Deck tilt Product feed rate (All safely adjustable on the fly)
Separation Range:	<5 %, by weight
Dust Control:	Aspirating Feeder Optional Full or Partial Dust Hood Enclosures Built-in feed and exhaust air adjustments
Discharge Hopper Configuration:	Standard: Single spout for light materials Standard: Second discharge hopper for heavy materials
Maintenance:	Recommended lubrication interval: 12 months or 2,000 hours of operation
Warranty:	3 Years – longest in the industry

**Performance Capacity, Air Flow Requirements**

Materials	305	605	905	1205
Extra Large Particle (3/8"-1/2") Wood Chips	5,500 lbs/hr 3,000 CFM	11,000 lbs/hr 6,000 CFM	14,250 lbs/hr 9,000 CFM	22,000 lbs/hr 12,000 CFM
Large Particle (1/4"-3/8") Beans, Corn, Peas, Coffee, Almonds	15,000 lbs/hr 4,200 CFM	30,000 lbs/hr 10,000 CFM	45,000 lbs/hr 17,000 CFM	60,000 lbs/hr 25,000 CFM
Med. Particle (1/8"-1/4") Wheat, Oats, Corn	10,000 lbs/hr 3,000 CFM	20,000 lbs/hr 7,000 CFM	30,000 lbs/hr 12,000 CFM	40,000 lbs/hr 17,000 CFM
Smaller Wood Chips (1/8" >)	4,500 lbs/hr 2,000 CFM	9,000 lbs/hr 4,500 CFM	13,000 lbs/hr 8,200 CFM	18,000 lbs/hr 12,000 CFM
Small Particle (1/16"-1/8") Alfalfa, Millet, Sesame	5,000 lbs/hr 2,000 CFM	10,000 lbs/hr 4,500 CFM	15,000 lbs/hr 8,200 CFM	20,000 lbs/hr 12,000 CFM

\*Cereal Grain capacities vary with size and density. Large weight variations, from 30 lb/Bu to 60 lb/Bu and size variation greater than 2:1 depending on commodity make linear volume quantification difficult.

\*Sunflowers, Oilseed and Confectionary typically experience variations in weight from 15-40 lb/Bu and size from ¼" up to ¾", making accurate and predictable capacity predictions difficult.

\*Wood Chips are lighter than seed, with larger size ranges. Volumetric capacities meet or exceed those of seed and grain, tonnage is usually one-third or less.

\*Dirt, Stones and Minerals are heavier than all, typically 75-150 lb/Bu (60-120 lb/CuFt). Sizes are generally small but can be as large as Beans or Corn. Capacities should be determined on individual experience and application.

**Options include:**

- All Stainless Steel contact points for food applications
- Dust hoods
- Automated Pneumatic Stone Trap Discharge Gates
- Vibratory or Accu-Flo Pneumatic Feeder
- Worldwide motor voltages
- Coated, Stainless Steel, Ise-Flex, or Tonne-Cap Over covers
- Installation-Ready Single-point Connection Electrical panels
- Variable Frequency Drive of Fans