

# VOYAGER GRAVITY SEPARATOR

*Reliable. Accurate. Efficient.*



The Oliver Voyager continues to set the industry bar for precision density separation. With advanced touchscreen accessibility, the Voyager series is ready for the modern world of particle separation. Adjustable controls make adapting to product throughput easier and more convenient. Oliver's signature rectangular deck design, a company standard, maximizes the quality of your product separation, and the multifaceted fan system allows for precise airflow control.

# Oliver™

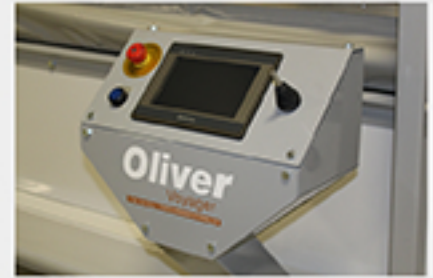
Processing for a more productive planet.

# VOYAGER GRAVITY SEPARATOR

## Features

### Operating Control

- Built-in touchscreen control platform (PLC) provides simple control of airflow, deck, eccentric speed, feed rate, and recipe load and save feature
- Integrated E-STOP circuit for a safe environment
- 4-way joystick control
- Most precise adjustability on the market to fine-tune your separation



### Ease of Use

- Save and recall multiple recipes, such as automatic cleanout, through PLC touchscreen interface
- Separate air system for operation is not required
- Dynamic controls are adjustable while machine is in operation:
  - Side tilt • End raise • Airflow • Eccentric speed • Product feed rate



### Reliability

- Oliver has over 85 years' experience in gravity table engineering and manufacturing
- UL and CUL approved electrical cabinets
- Low maintenance for reduced down time
- Post-purchase training and machine service packages available
- Spare parts are available upon order



### Performance

- Rectangular deck design with custom overcover and undercover, allows for maximum product separation time
- Reduced machine setup and cleanout time
- Efficient air zone control from initial stratification through final discharge for optimal separation performance
- Counterbalanced for smooth operation
- Low noise, 85 dB at operator level

### Configurations, Customizations and Other Options

- Integration with Plant SCADA is available
- Modular deck upgrade makes for ease of maintenance and quick change over from product to product and deck to deck
- Increase the total tilt of the deck with hydraulic cylinders
- Options include; custom discharge hopper options available, partial or full dust hoods, vibratory feeder, deck options, recipe development, stainless steel contact points, and control packages

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## Specifications

MACHINE MODEL	GVX1050	GVX1040	GVX1020
Height	82" (208 cm)	82" (208 cm)	70" (178 cm)
Width	73" (185 cm)	67" (170 cm)	60" (152 cm)
Length	152" (386 cm)	122" (309 cm)	93" (236 cm)
Weight	4,300 lbs. (1951 kg)	3,900 lbs. (1769 kg)	2,350 lbs. (1066 kg)
Deck Area	45" x 117" (114 x 297cm)	39" X 85" (99 x 215cm)	29" X 60" (73 x 152cm)
WITH DUST HOOD			
Height	86" (218 cm)	86" (218 cm)	78" (198 cm)
Weight	5,500 lbs. (2495 kg)	4,500 lbs. (2041 kg)	4,500 lbs. (2041 kg)
Amp draw @480/3/60	51	43	30
Amp draw @240/3/60	102	86	60
Fan zones	4	3	3
Fan control	VFD	VFD	VFD
Warranty	1 year	1 year	1 year

## Capacity

MACHINE MODEL		GVX1050		GVX1040		GVX1020	
Products	Bulk Density (lbs/bu)	Rated Cap. (lbs/hr)	CFM	Rated Cap. (lbs/hr)	CFM	Rated Cap. (lbs/hr)	CFM
Corn	56	15,000	19,000	10,200	13,800	3,800	8,500
Soybeans	60	11,000	19,000	7,500	13,800	2,800	8,500
Peas	60	13,000	19,000	8,900	13,800	3,300	8,500
Lentils	60	11,000	13,800	7,500	9,800	2,800	5,500
Wheat	60	11,000	13,800	7,500	9,800	2,800	5,500
Pinto Beans	60	13,500	19,000	9,200	13,800	3,400	8,500
Sorghum	56	10,500	13,800	7,200	9,800	2,700	5,500
Cotton Seed	43	12,000	19,000	8,200	13,800	3,000	8,500

Capacities are based on the following assumptions:

1. Machine feed rate
2. Light fraction to be removed is assumed to be 5% or less of total incoming products
3. Vary depending upon the bulk density of the product
4. These capacities are estimates only and products can be tested and confirmed at the Oliver

\*For more product capacities please contact us.

# Oliver<sup>TM</sup>

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**Contact Your Oliver Sales Representative Today!**

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