

VOYAGER GRAVITY SEPARATOR

RELIABLE, SUPERIOR, REPEATABLE PERFORMANCE FROM BREAKTHROUGH TECHNOLOGY

Maximize control and boost your bottom line. Oliver introduces the first fully-automated, power control, PLC-governed gravity separator. Memorized routines speed setup and cleanout, and centralized power control simplifies adjustments. The most advanced gravity separator on the market comes with legendary made-in-America Oliver reliability with Colorado-based support.

- Computerized Touch Screen
- 4-Way Joystick Tilt Control
- Power controls with Digital Readout
- PLC Memory for Stored Routines
- 100% Repeatable Setup
- Multiple Fans with Improved Air Segregation



Oliver™

Processing for a more productive planet.

Model	GVX1040	GVX1050
Height	82" (208 cm)	82" (208 cm)
Width	67" (170 cm)	73" (185 cm)
Length	128" (325 cm)	152" (386 cm)
Deck Size	42" x 96" (107 x 229 cm)	48" x 120" (122 x 300 cm)
Weight	3900 lbs (1770 kg)	4300 lbs (1950 kg)
Shipping Tare	4600 lbs (2086 kg)	5000 lbs (2268 kg)

MAXIMIZE YOUR CONTROL. BOOST YOUR BOTTOM LINE.

Oliver Voyager, the gravity separator that sets new standards in the degree of control. No other separator puts so much adjustment precision in the hands of the operator. Voyager lets you separate more materials into more grades more precisely and more consistently than ever. Period.

Spring Assisted Stone Discharge Regulator

Heavy Skim Cut-Out Gates

Safer, Enclosed Design

Multiple Fans

Tubular Frame

Flush Mount Filters

Reduced Vibration



Automated with
**Rockwell
Automation**

 Allen-Bradley · Rockwell Software



Computerized Touch Screen

Quieter Operation

Advanced Counter-Balance Design

Improved Air Segregation

High Side Blender Trough

Superior Deck Clamping

Improved Rock Trap

4-Way Joystick Tilt Control

Mechanical Boot Clamps

Redesigned Eccentric Machinery

Maintenance Access Panels

COMPLETE AUTOMATION

Voyager automates the entire setup and operation procedure. Every parameter that can be controlled has been automated. Which means you spend less time in training and oversight. Switching back and forth between materials is as easy as recalling adjustment setting 'recipes' from over 20 recallable routines. Rockwell Automation ensures repeatability, and legendary, state-of-the-art Allen-Bradley electronic controls allow easy integration into the most comprehensive plant automation strategies with basic plug-and-play wiring.

**SMARTER RESULTS FROM
A SMARTER DESIGN**

The most advanced separator in the world is a work over 80 years in the making. Over that time, our research and engineering has refined the overall design to increase control, boost capacity, improve structural integrity, widen the range of materials, simplify operation and extend durability.

**EXPECT MORE FROM THE OLIVER
VOYAGER — YOU WON'T BE DISAPPOINTED**

Add up the numbers. With its outstanding performance, exceptional durability and the longest warranty in the industry (3 years) the Voyager represents your best choice in accurate, reliable, long-term product refinement. It's a Pure Product, Sure Profit equation for fast and reliable ROI.

**ADVANCING THE SCIENCE
OF SEPARATION**

We know what it takes to raise the bar in gravity separation performance. We were there at the beginning, as the original patent holders, and we're here at the forefront with Voyager, the most advanced technology and performance available.

Machine Specifications	GVX1040	GVX1050
Power Requirements @ 480V	43 Amps	51 Amps
Fan Motor Power	2 – 5 hp (4.0 kW) 1 – 3 hp (2.2 kW)	2 – 5 hp (4.0 kW) 2 – 3 hp (2.2 kW)
Deck Motor	1.5 hp (1.1 kW)	1.5 hp (1.1 kW)
Hydraulic Pump	.5 hp (.4 kW)	.5 hp (.4 kW)
Motor Blender Drive Motor Horsepower	1 hp (.75 kW)	
Fans	Multiple fan air supply, Individually adjustable for airflow volume, Patented fan design for optimal particle concentration	
Screen Options	Mild Steel, coated steel and coated mesh Tonne-Cap, Stainless Steel available for edible products Ise-Flex Overcover	

Operations

Control Parameters	Fan speed 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, Full Dust Hood, Built-in feed and exhaust air adjustments
Discharge Hopper Configuration	Standard: 3-spout, Optional: 2-, 4- or 5-spout
Maintenance	Recommended lubrication interval: 12 months or 2,000 hours
Warranty	3 Years

Performance

Capacity, Air Flow Requirements

Agricultural Material	GVX1040	GVX1050
Large Particle (1/4"-3/8")		
Beans, Corn, Peas, Coffee,	11,500 lbs/hr	17,000 lbs/hr
Almonds (10 Mesh "A" Deck)	13,800 CFM	19,000 CFM
Med. Particle (1/8"-1/4")	8,000 lbs/hr	11,500 lbs/hr
Wheat, Oats, Corn	9,800 CFM	13,800 CFM
Small Particle (1/16"-1/8")	4,000 lbs/hr	5,700 lbs/hr
Alfalfa, Millet, Sesame	6,900 CFM	9,500 CFM

Options include:

- Over covers
- Dust hoods
- Electrical panels
- Worldwide motor voltages
- Vibratory feeders
- All Stainless Steel contact points available for food applications
- Ise-Flex Overcover