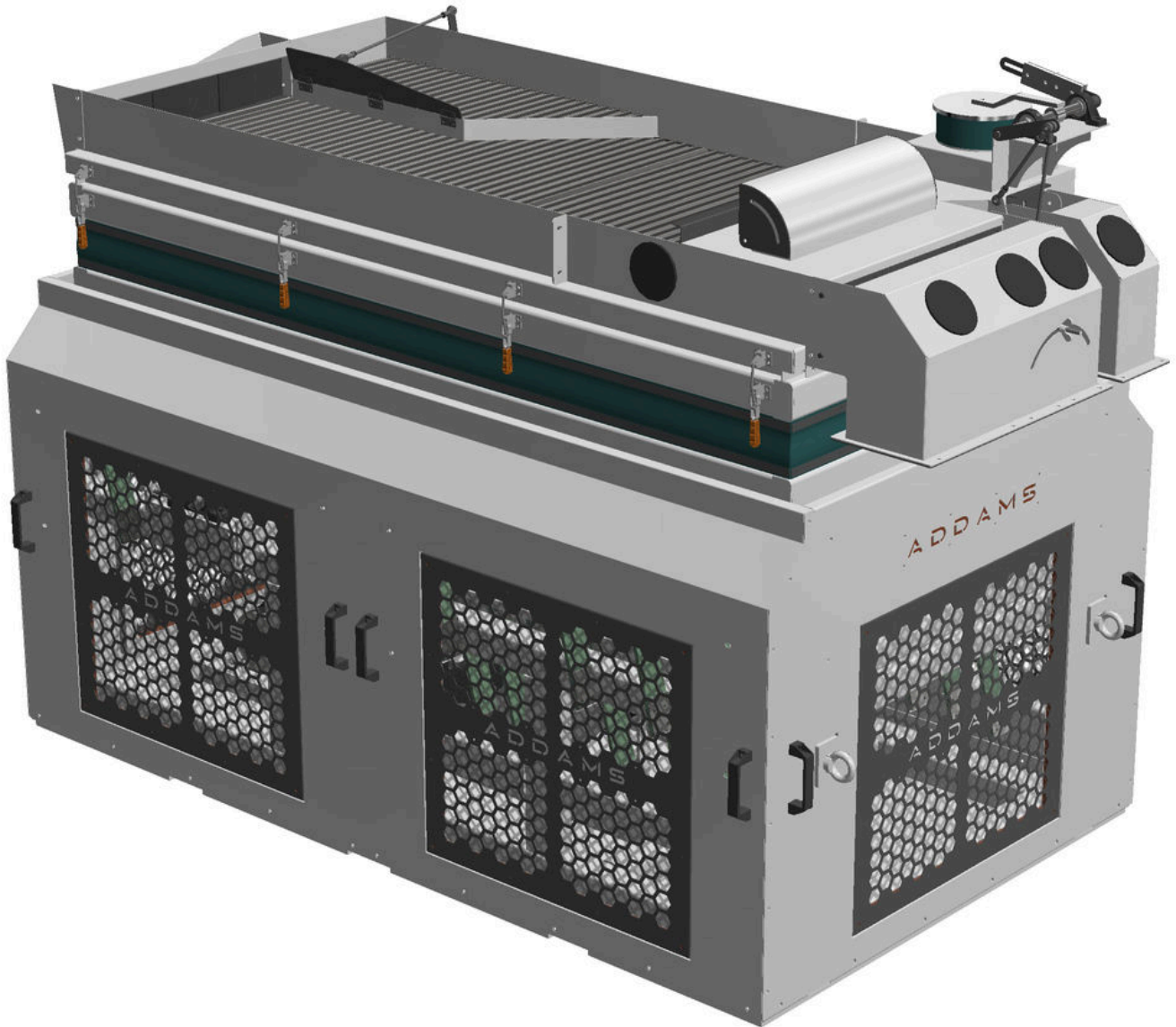


SINCE
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ADDAMS VIGOR Gravity Separator
Engineered for Precision. Built for Performance.



VIGOR SERIES GRAVITY SEPARATORS

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ADDAMS VIGOR Gravity Separator

Built for high-demand operations, the VIGOR Gravity Separator delivers precise density-based separation with robust airflow control and enhanced deck responsiveness. Designed for processors who demand maximum throughput and purity, the VIGOR line reflects ADDAMS' commitment to innovation and durability.

The ADDAMS Gravity Separator is engineered for precision particle separation by density, delivering unmatched seed and grain processing performance. Whether refining food-grade pulses, cleaning oilseeds, or upgrading garden seeds, this machine ensures maximum efficiency in separating light, immature, insect-damaged, or broken kernels.

Core Features of the VIGOR Advantage

VIGOR Ripple Deck Surface

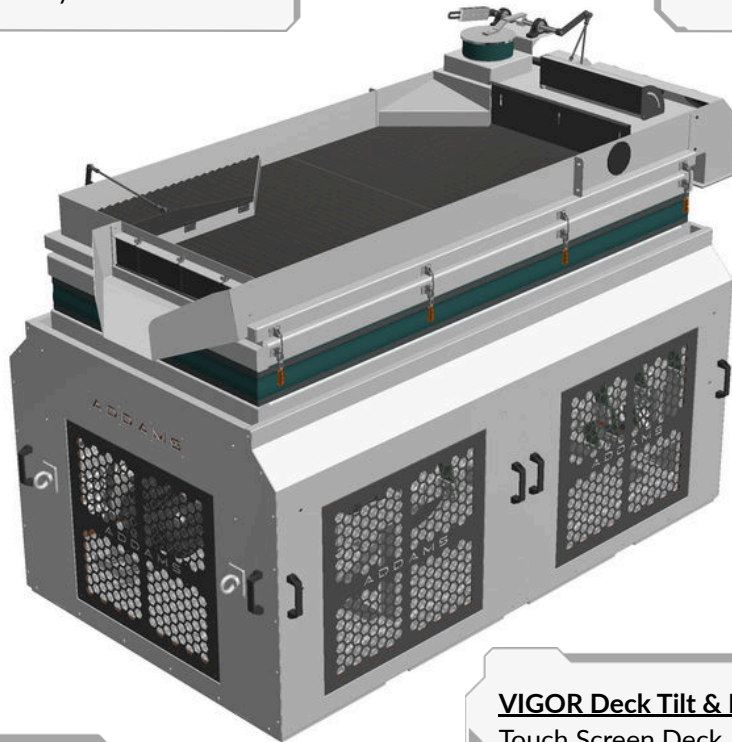
Our signature ripple-textured deck provides enhanced traction during separation, ensuring sharper, cleaner cuts for improved product purity and yield.

Enhanced Bed Depth Design

With a deeper bed than conventional models, the ADDAMS VIGOR Separator leverages material mass to achieve more precise separation, perfect for high-grade seed and grain processing.

On-Deck Recirculation

Integrated recirculation eliminates the need for middle cuts, reducing handling and minimizing product damage. No more blended outputs—just clean, distinct fractions.



Intelligent Discharge Control

The VIGOR Automatic Discharge System monitors product depth in real time and adjusts the discharge gate to accommodate variations in flow, maintaining consistent bed depth and eliminating manual intervention.

VIGOR Deck Tilt & Rise

Touch Screen Deck Position adjustments of TILT & RISE.

VIGOR Fluidized Bed System

A single, high-efficiency, ultra-quiet fan creates a uniform fluidized bed, ensuring even distribution and separation performance across the deck.

Multi-Light Adjustable Gates

Fine-tune light material discharge with precision. These gates offer flexible control for optimizing separation across varying crop types and densities.

VIGOR Fluidized Bed System

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VIGOR MODELS	VGS-250	VGS-350	VGS-450	VGS-550
ENERGY ECC / FAN	1.5 kW / 4.0 kW	2.2 kW / 5,0 kW	2.2 kW / 7.5 kW	2.2 kW / 11 kW
DUST HOOD CFM REQ.	8.000	10.000	14.000	17.000
WEIGHT kg	1950	2250	2750	3350
DECK AREA m2				
DIMENSION LxWxH/CM	210x165x225	220x175x230	270x175x235	330x205x225
Fan:	Single fan air supply, Adjustable air volume, distribution, speed and airflow via VFD. Optimal particle concentration fan design			
Safety:	Wiring protection, Fully enclosed rotating assemblies CE Compliant Machine Guarding			
Deck Screens:	Stainless Steel or Mild Black Iron Sheet Options for 5 Different Sizes of Mesh & 5 Different Sizes of Ripple Deck Perforation Surface			
Control Parameters:	PLC/VFD Controlled air volume, deck side tilt, end raise (slope)			
Separation Range:	<5 %, by weight Machine available in 2 configurations depending on light or heavy material configurations. "A" for Heavy "B" for light, reduced fan speed different deck configuration			
Dust Control:	Aspirating Feeder Optional Full or Partial Dust Hood with built-in feed and exhaust air adjustments.			
Discharge Configuration:	Standard: Three spout. Optional: 2-, 4-, or 5-spout hoppers			
Maintenance:	Recommended lubrication interval: 12 months or 2,000 hours of operation			
Warranty:	3 Years – longest in the industry			
Performance Capacity Air Flow Requirements	VGS-250	VGS-350	VGS-450	VGS-550
Coffee, Green Beans	16,000 CFM	18,000 CFM	22,000 CFM	28,000 CFM
Coffee, Green Beans	6.80 t/h	8.15 t/h	12.245 t/h	18.15 t/h
Large Size Seeds	6.80 t/h	10 t/h	13.6 t/h	19.0 t/h
Beans, Corn, Peas, Almonds	16,000 CFM	18,000 CFM	22,000 CFM	28,000 CFM
Med. Size Seeds	5.4 t/h	7.25 t/h	10.88 t/h	14.9 t/h
Wheat, Oats, Corn	10,000 CFM	12,000 CFM	15,000 CFM	20,000 CFM
Small Size Seeds	2.25 t/h	3.17 t/h	4.5 t/h	5.44 t/h
Alfalfa, Millet, Sesame	6,000 CFM	7,000 CFM	10,000 CFM	14,000 CFM

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