

## Vacuum Industry Application Guide

### INDUSTRIAL VACUUMS

The purpose of this guide is to provide a better understanding of Vector Technologies products and how to select them for use for a broad range of applications. A general discourse is provided for each application, suggesting products that would appear to best meet customer needs. Please consult a Vector Sales Representative for further assistance or clarification.

#### **The Vacuums:**

Vector offers the most powerful vacuums available, incorporating innovative technology to solve a wide range of industrial vacuuming problems. Vector vacuums feature positive displacement blowers generating up to 11,010 CFM (18,710 Cubic meters/hour) and to 28" Hg (93% vacuum), providing the power needed to complete the most difficult cleanup or recovery operations. The power source can be LP, gasoline, diesel, or electric and in stationary or skid, truck, trailer, crane, or pickup bed mounted formats. Load rates range to 70 tons per hour.

#### **Product Conveyance Capabilities:**

Aggregates • Metals • Sludge • Slurries • Powders • Pellets • Liquids • Abrasives • Sand • Steel Shot/Grit • Slag • Aluminum Dust • Ceramic Dust • Glass Cullet • Refractory • Metal Chips • Food Products • Drilling Mud & Cuttings • Leaded Brass • Carbon Black • Fly Ash • Coal • Gravel • Chemicals • Textiles • Plastic Pellets/Powders • Wood Chips & Sawdust • Powder Coating & Pigments • Hazardous Waste • Nuclear Waste • Sludge, Muck & Slurries • Concrete Slurry, Dust & Solids • Slag & Scale • Asbestos • **and more.**

#### **Industries Served:**

Abrasive & Water Blasting • Roofing • Environmental • Foundries • Power Plants • Cement • Waste Water Treatment • Bulk Material Handling • Brick and Refractory • Steel & Paper Mills • Sewer Cleaning • Shipbuilding • Directional Drilling • Chemical • Glass • Hydro Excavation • Concrete • Asphalt • Carbon Filtration • Industrial Cleaning • Nuclear • **and more.**

#### **The Products:**

##### **Trailer Models:**

VecLoader® • Spartan® II Series • HydroVac™ Series • HDD™ Vacuum Excavator Series • Neptune Jetter Vac Series • SlurryVac™ Series • Mini-VecLoader Series • VecLoader 422™ • VecLoader 522™ • VecLoader Titan® 616™ • VecLoader Titan 616 HP • VecLoader 622™ • VecLoader 624™ • VecLoader Titan 721™ • VecLoader 824™ • VecLoader 1021™ • VecLoader Hepa Vac® Series •



**Portable and Stationary:**

Hercules™ HP • PM™ Series Power Modules • CS™ Series Integrated Systems

Spartan FM™ Series • VecLoader Titan M Series • MudVac™ • CV Vacuum Series •

BH™ Series Baghouses HP • IS™ Series Intermediate Separators

**Applications with Products Best Serving Application noted:**

**Vacuum Excavation and Potholing:**

HDD Vacuum Excavator Series or VecLoader Titan Series Trailer mounted units

**Environmental:**

**Oil & Gas**

MudVac, PM Series

**Emergency Response/Spill Recovery/Site Remediation**

VecLoader Hepa Vac II, VecLoader Hepa Vac HP, VecLoader Hepa Vac 721

**Municipal:**

HDD Vacuum Excavator Series, Neptune and Super Neptune Jetter Vacuums

**Chemical/Mineral Processing:**

**Trailer:**

Mini-VecLoader, VecLoader 624, VecLoader Titan 616 HP, VecLoader Titan 721

**Stationary:**

PM Series, Power Modules with BH Series Baghouses

**Portable:**

CS Series Integrated Systems, Spartan II, Spartan FM Series

**Nuclear Waste, Asbestos Removal, Hazardous Waste Remediation, PCB Remediation**

VecLoader Hepa Vac II, VecLoader Hepa Vac HP, VecLoader Hepa Vac 721



**Surface Preparation, Lead Reclamation Projects, Steel Grit/Sand, Abrasives Blast Media, Tank/Bridge/Ship Reclamation & Restoration, Hydro Blasting, General Industrial Painting Applications:**

Trailer:

Mini-VecLoader, VecLoader Titan 616, VecLoader Titan 616 HP, VecLoader Titan 721, HydroVac Series

Portable:

CS Series Integrated Systems, VecLoader Titan M Series

**Industrial Applications:**

Central Stationary Vacuum Systems

Pneumatic Conveying

Foundry - Sand and moon sand clean up, conveyor spills

Waste Water Treatment - Filter bed cleaning, milorganite and sand handling

Cement - Spills, system conveyance, concrete cutting

Steel Mills - Mill Scale, coal handling, housekeeping

Power Plants - Fly ash, coal handling, sump cleaning

Pulp & Paper

Glass- Sand recovery and clean up

Railcar, Tanker and Barge-Unloading, final clean up,

Sewer & Sump

Bulk Material Conveyance

Chemicals

Carbon Filtration Charging

Brick/Refractory

Roofing Contractors- Pea Gravel & Ballast

Batch Processing

Industrial Cleaning

Spill Recovery

General Plant Cleanup

Hydro-Blast Water & Slurry Removal

Trailer: - Any VecLoader Trailer vacuum: Model dependent on product, conditions, and tonnage, including Mini-VecLoader, VecLoader Titan 616, VecLoader Titan 616 HP, VecLoader 624, VecLoader Titan 721, VecLoader 824, VecLoader 1021, SlurryVac Series, HydroVac Series

Stationary:

PM Series, Power Modules with BH Series Baghouses

Portable:

Hercules, CS Series Integrated Systems, Spartan FM Series, Spartan II Series