



## **Uni-Vac (V-50)**



### **Vacuum Conveying System**

The **Uni-Vac** vacuum conveying system from **Hanningfield Process Systems** provides a safe, practical and dust-free method of conveying powder, granules and flakes without waste. {xtypo\_info}The **Uni-Vac V-50** has a throughput up to 3000 kgs/hr and can hold 50 litres. The

#### **Uni-Vac**

is designed for applications with quite substantial requirements.{/xtypo\_info}

[Vacuum conveying](#) provides cost-effective automation that improves production, reduces contamination and creates a clean and safer working environment. Powder spillage, airborne dust and the common problems associated with manual feeding are eliminated.

The conveyor is designed for applications with typical industry requirements. The handling of heavy drums, kegs, bags, etc. are all eliminated by using a **Uni-Vac** system.

Conveying offers various benefits for processing, such as increased productivity and a safer working environment. [Vacuum conveying](#) is the ideal solution for many powder processing applications in the pharmaceutical, food, chemical and allied industries. Through conveying, a process can take advantage of improved output and a cleaner, safer working environment.

**Profile** The **Uni-Vac** is the Hanningfield solution for conveying. The Hanningfield **Uni-Vac** offers many advantages, **Uni-Vac** has an easy clean design. All internal surfaces are crack and crevice free, the surface finish is to customer requirements. All connections are welded. The **Uni-Vac** is designed and manufactured to Hanningfield Process System standards.

- Features**
- Easy clean design
  - Hygienic crevice free
  - Stainless steel construction (304 or 316)
  - No tools required for disassembly
  - Remotely located controls
  - Flexible modular design
  - Mobile or static versions available

- Benefits**
- High return on investment through increased productivity and lower production costs
  - Improved working environment
  - Increased output and efficiency through automation
  - Improved dust free environment through containment
  - Minimal risk of contamination
  - Reduces product loss
  - Increased process safety
  - Reduced operator fatigue
  - Easy to clean design for minimal operational downtime

Technical Specifications		Throughput:	Up to 3000 kgs/hr
•	<b>Volume:</b>	50 litres	
•	<b>Material of Construction:</b>	Stainless steel (304 or 316)	
•	<b>Height:</b>	1600mm	
•	<b>Diameter:</b>	450mm	
•	<b>Pick-Up Method:</b>	Vacuum wand, IBC, sacktip station, feedbin, big bag, etc.	
•	<b>Controls:</b>	Control panel can be attached or remotely located	
•	<b>Version:</b>	Mobile or static versions available	
•	<b>Explosion Protection:</b>	ATEX or Non-ATEX version available	

- Typical Applications**
- Unloading storage containers (IBCs, big bags etc.)
  - Fluid bed dryer unloading
  - Mixer loading
  - IBC loading
  - Conveying powder through a conical screen mill for in-line milling
  - Conveying to a tablet compression machine
  - Conveying to a capsule filling machine

**Gallery** [{gallery}univac50{/gallery}](#)

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**What is**

**Vacuum Powder**

**Conveying?**



**Vacuum Conveying**, also known as **Pneumatic Powder Conveying** is a method of transferring powder

**Benefits of Vacuum Conveying in Pharmaceutical Processing** Vacuum conveying is a hygienic and efficient method of transfer

For example, powder can be sucked directly from an IBC, into the conveyor, and then transferred from the


**Vacuum Conveying: Conclusions** The use of vacuum (pneumatic) transfer of powder is perfectly suited to the pharmaceutical

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**Download Brochure:**

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[Vacuum Conveying Systems \(Uni-Vac Series\)](#) {/xtypo\_download} **Case Study:**

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[Vacuum Conveying](#) {/xtypo\_download}

