



Uni-Vac (V-100)



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-100** is Hanningfield's largest [Vacuum conveyor](#) , with a throughput of 4000 kgs/hr and a capacity of 100 litres.{/xtypo_info}

The conveyor is designed for applications with considerable requirements. [Vacuum conveying](#) improves a process through automation; increasing productivity and facilitating a safer, more

hygienic working environment.

[Vacuum conveyors](#) are the globally preferred solution for [powder transfer](#) applications, and can be used on a wide range of materials, such as those found in the pharmaceutical, food, chemical and allied industries.

Profile
The **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 made using stainless steel.

The **Uni-Vac** is designed and manufactured using the **Hannifield Process System**.

- 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 4000 kgs/hr |
|------------------------------------|---|-------------------|
| • Volume: | 100 litres | |
| • Material of Construction: | Stainless steel (304 or 316) | |
| • Height: | 1700mm | |
| • Diameter: | 450mm | |
| • Pick-Up Method: | Vacuum wand, IBC, sacktip station, feedbin, big bag, etc. | |
| • Controls: | Control panel can be attached or remotely located | |
| • Version: | Mobile or static versions available | |
| • Explosion Protection: | 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}univac100{/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 conveyor to the final destination.


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

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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}

