



## Capsule Conveyors



## Capsu-Jet Systems

The **Capsu-Jet** conveying system, originally designed and patented by **Hanningfield** in 1995, remains the best and most efficient solution for the conveying of hard shell capsules in industry today.

{xtypo\_info}The **Capsu-Jet** is a proven system in the transfer of hard-shelled gelatin capsules.{/xtypo\_info}

Empty capsules are manually loaded into a large diameter, low-height capsule storage-hopper. The 200-litre storage-hopper has been designed to accommodate a full, standard sized box of capsules.

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When in operation, a tangentially discharged airflow from a multistage fan is forced through a patented venturi. The empty capsules in the storage hopper are gradually picked up by the suction created by the venturi and gently conveyed in a low- pressure, high-volume airflow through the conveying pipe work to the receiving hopper on the capsule-filling machine.

{xtypo\_quote}Designed and built to overcome the problems associated with conventional mechanical systems, the **Capsu-Jet** is ideal for the automatic loading of high-speed capsule filling machines.{/xtypo\_quote} A fully adjustable optical sensor controls the level of capsules in the receiving hopper on the capsule filling machine, by automatically starting and stopping the convey cycle.

In addition to loading empty capsule into the filling machine, it is also possible to transfer filled capsules after filling using a Filled Capsule version of the **Capsu-Jet**.

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{jkefel title=[**Features**]}

- Very Quiet Operation
- Maintenance Free Design
- Reduced Manpower
- No Capsule Damage
- Low Operating Costs
- Eliminates Catwalks and Steps
- 100% of Capsules Transferred Every Time
- Keeps Pace With High Speed Filling Machines

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{jkefel title=[**Technical Specifications**]}

Model

C20 (Empty Capsules)

FCC (Filled Capsules)

Material of Construction	304 or 316L Stainless Steel	304 or 316L Stainless Steel
Maximum Conveying Distance	Vertical > 10m (33')	Horizontal > 10m (33')
	Vertical > 5m (16.5')	Horizontal > 5m (16.5')
	Vertical > 2.5m (8.25')	
Standard Hopper Size	200L (100,000 Size "O" Capsules)	200L (100,000 Size "O" Capsules)
Dimensions	1100mm x 800mm x 1100mm	1100mm x 150mm x 316mm

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{jkefel title=[**Typical Applications**]}

- Transporting Empty Capsules to a Capsule Filling Machine
- Transporting Filled Capsules from a Capsule Filling Machine

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{jkefel title=[**Gallery**]}

{gallery}capsujet{/gallery}

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{faq inline/sliders}

### Conveying of Tablets and Capsules the Problems of Tablet and Capsule Transfer

It is commonly acknowledged that tablets and capsules are delicate products to handle by whatever means used.



'Tablet and capsule handling systems must be carefully designed to avoid damage or breakages'

Popular methods used for the transfer of these products are vacuum, gravity, and air all of which are st

Special attention has to be taken regarding design and construction materials to avoid damage to the fin

For example, removable silicone liners can be supplied to fit inside vacuum transfer hoppers to avoid co

### Methods

[Vacuum Transfer](#) is a well established process that can be adapted to efficiently convey coated and un

*Gravity* is the simplest and most common transfer technique for the efficient transfer of t

[Air \(positive pressure\)](#) is used by Hanningfield for the efficient transfer of both empty and filled hard she

### Summary

In addition to good and efficient design, experience is also necessary to ensure all aspects of product pr

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### Download Brochure:

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[Capsule Conveyors \(Capsu-Jet Series\)](#) {/xtypo\_download}

