



## VAN BEEK AND PENKO JOIN FORCES FOR HIGH-END DOSING AND WEIGHING

**Van Beek is known for its perfectly finished screw conveyors and PENKO is the definitive specialist in weighing equipment. The collaboration between these two pioneers in the market delivers a quick and easy method of dispensing the best dosage and/or weighing method for your process.**

### **For dosage according to formula: the LIW Feeder**

The LIW (Loss in Weight) feeder has been developed for processes that require the addition of a predetermined quantity of additives in the correct proportion as accurately as possible. The accuracy of this machine is a major advantage in the food, chemical and pharmaceutical industries.

#### Example

A potato chip manufacturer wants to add 20 kilos of paprika powder per thousand kilos of chips. For each 1,000 kilos of chips that pass through per hour, the manufacturer can set the LIW feeder to add 20 kilos of paprika powder per hour. If the weight of the chips passing through varies, there is the option to make the delivery speed of the LIW feeder dependent on the weight of the chips that pass through.

#### Operation

In this configuration, there are three accurate weighing sensors keeping track of how much product is discharged by the screw conveyor. The software adjusts the rotational speed of the screw to deliver the desired weight per hour (or per kilogramme of product passing through).

### **For continuous lines: The weighing screw conveyor**

We have developed the weighing screw conveyor specially for manufacturers who want to know how much product passes through in a continuously operating process line. This machine has major benefits for the bulk, food, chemical and pharmaceutical industries.

#### Example

The weighing screw conveyor is ideal for manufacturers who want to know how much product (such as starch, plastic granules, salt or catalyst) has passed through their process. The operator can also set the weighing screw conveyor to fill a silo with a specified amount of product and then stop.

#### Operation

It weighs only the screw and the contents. The weighing mechanism calculates the number of revolutions of the screw to determine how much product enters and exits the screw. This enables this intelligent machine to provide an overview of the throughput weight per hour.

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THE STANDARD IN SCREW CONVEYING

### Customization

The collaboration between Van Beek and PENKO now makes it possible to quickly and easily install a dosing or weighing system that combines the best of both worlds: the renowned Van Beek screw conveyor and PENKO's advanced weighing equipment.

Whether you decide to use an LIW feeder or a weighing screw conveyor for your processing line, both are highly customizable. For adding, for example, 20 kilos of paprika powder per hour, a more accurate machine is required than for adding 1,000 kilos of sugar per hour. Why not contact us to find out what we can do for you.



### About PENKO

PENKO Engineering BV is a process automation company specializing in the development, manufacture and technical support of extremely reliable weighing instruments and controls, operating at high speed, with a strong internal solvent action and high accuracy, especially designed for use in the process industry. PENKO also supplies a comprehensive selection of components for weighing, dosing, measuring, displaying and controlling, in addition to products for installation in automatic machines. For further information, visit [www.penko.com](http://www.penko.com).

### About Van Beek

Van Beek is the ultimate specialist in the field of screw conveyors. Established in 1939, the core activities of the company are the design, manufacture and sales of screw conveyors. Van Beek customises every screw conveyor. Van Beek is a niche player. The organisation specialises in high-quality customisation of stainless steel screw conveyor systems for delivery worldwide. Over 80% of Van Beek's production is exported. In particular the chemical, pharmaceutical, environmental and food industries rely heavily on Van Beek's expertise. More information can be found at [www.van-beek.nl](http://www.van-beek.nl).

Let Van Beek's innovative solutions improve your production process. Please contact us to find out more about all the options that we offer.

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