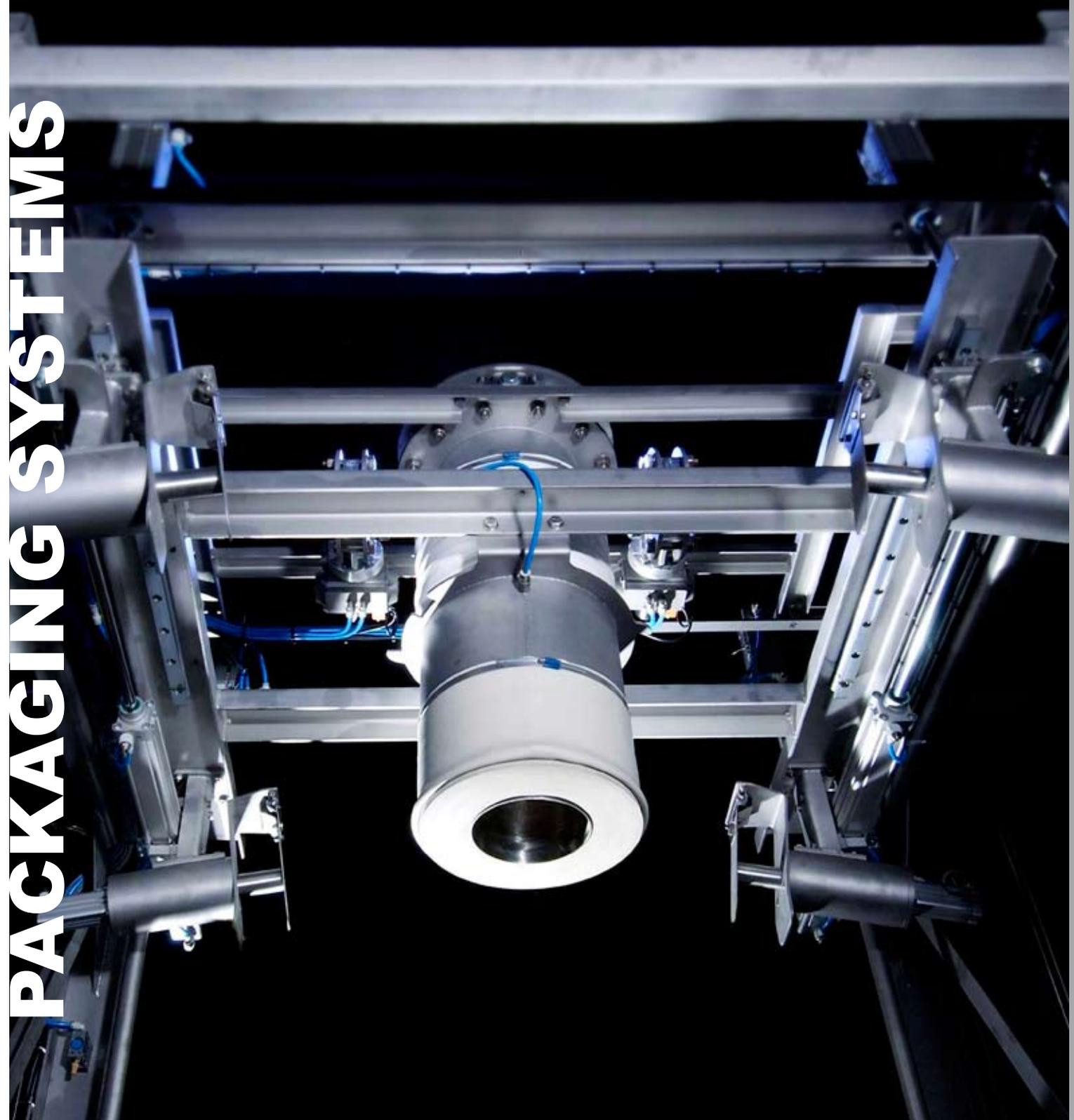


YOUR PROCESS...  
...OUR CARE



# PACKAGING SYSTEMS



*Dinnissen Process Technology  
Dinnissen is a specialist in the world of bulk materials and process technology. With over 115 permanent employees and an extensive network of agents, we operate world-wide in the most diverse industries. We look for innovations and market developments that have a demonstrable benefit for our customers and help us develop new products. Improved ergonomics, efficiency and hygiene are of paramount importance in this. Our process know-how, in-house manufacturing, systems integration, custom-made products, wide range of specially developed machines and excellent service ultimately make us what we are. Dinnissen – the specialist in process technology!*

## **Packaging Details make the difference**

Due to the arrival of advanced packaging, filling possibilities have increased tremendously. Dinnissen can help you package your goods efficiently, hygienically and safely so that an optimal logistical solution is reached - as part of a total process or as a project in itself. Whether you are filling one Big Bag per week or 50 every hour. And in particular if your food, feed, chemical or pharmaceutical requirements are more specific - Dinnissen is the company for you.

### **Fast and accurate feeding**

Do you want to feed large amounts quickly from a weighing silo or direct using feeding elements, a feeding valve, a screw or chain conveyor, vibratory feeder or rotary valve? We can provide you with the most efficient solution for your application.

### **Dust emission and the prevention of product loss**

Of course, it is essential to minimise dust emission and product loss during the packaging process. The solutions we apply here are among others a sophisticated extraction system, the correct design of the filling head or the sealing of Big Bags.

### **Inert packaging**

We can help you package sensitive, hygroscopic, toxic and other critical products under special gas conditions (e.g. CO<sub>2</sub> and N<sub>2</sub>). Specially ventilated or conditioned areas with fast-closing doors are included in our range.

### **Reliable volume and weight measurement**

We offer a range of solutions for the optimal determination of the correct contents of your Big-Bag - weighing systems, high-level detectors and level sensors.

### **Efficient operation and hygiene**

Speed and efficient operation are important factors in ensuring your production process is as efficient as possible. For this reason we pay a great deal of attention to ergonomics. Aspects such as arranging operating elements on one level, the accessibility of hooks, swivelling filler heads and twister heads are given due attention.



*Dinnissen offers you one-stop-shopping,  
in bulk solids applications*

### Automatic sealing

Due to the automatic and hygienic sealing of packages, we prevent dust emission or contamination. Ideal solutions, moreover, to protect the operator from substances that may be hazardous.

### Quality and safety

Finally we can also offer you automatic coding and sampling of Big Bags for tracking and tracing, metal detection and the integration of control sieving. Of course, we fulfil all Atex, HACCP and GMP guidelines. Hygiene, food safety, dust and the danger of gas explosion are familiar issues for us.

### Calibration approval throughout the world

If calibration approval is important for your company, we will take care of this for you. We can supply the required technology and equipment and have good contacts with calibration organisations throughout the world so that procedures do not need to cost you unnecessary time and money.

### Testing facilities

With our own D-innocentre®, we have a testing facility that offers ample possibilities for developing new products or testing your products with our equipment.

### Filling Big Bags / FIBCs

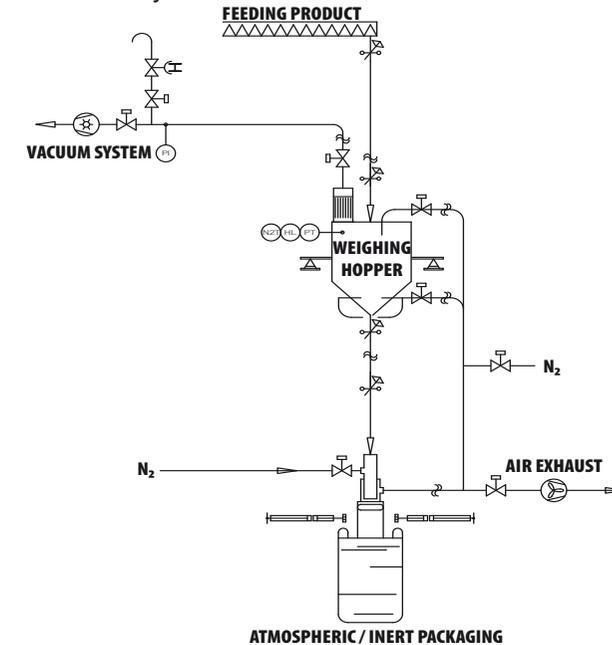
Dinnissen specialises in the filling of Big Bags and FIBCs in situations that are a little bit more complex. We offer good solutions for the preforming of Big Bags, for example, so that each corner is filled perfectly. We blow in air or functional gas even before starting filling. Weighing during filling and vibrating to achieve a solid base at the same time for a quick and reliable result that retains its shape.

### Feeding, stacking and transport

We can also take care of the automatic output of Big Bags, pallets and packaging material via special dispensers. Just like the transport and stacking of Big Bags in sea containers or trucks - this reduces work costs and results in a stable upright load.

### Octabins, drums and containers

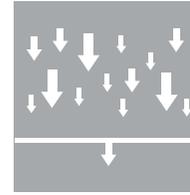
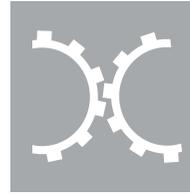
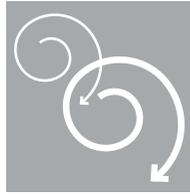
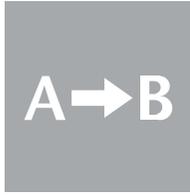
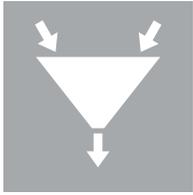
Factors that are relevant to other packaging are also applied by us to octabins, drums and containers as this is our particular speciality. We can offer you standard, special or completely tailor-made solutions if necessary.



*Commitment is the foundation for  
reliable and lasting relationships*



YOUR PROCESS...  
...OUR CARE



PRODUCT INTAKE

PET FOOD

FOOD

RECYCLING

CONVEYING & HANDLING

AQUA FEED

LIFE SCIENCE

MINERALS

FEEDING & WEIGHING

FEED

PHARMACEUTICAL

DETERGENTS

MIXING & PROCESSING

CHEMICAL

PLASTICS

MILLING & GRINDING

SIFTING

PACKAGING



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