





— 17 innovation awards in 10 years and 8 patent applications

# THE GROUPE

Vraco brings together everything that ASSERVA does best

Vraco-distribution is a subsidiary of the ASSERVA group: a dynamic medium-sized company founded in 1978 in Lamballe, France. ASSERVA designs, develops, manufactures, installs and provides after-sales service for automated solutions and feeding systems for pig farms. These solutions developed by ASSERVA improve the working conditions of the farmers and the rearing conditions of the farm animals in different areas such as :


- Dry and liquid feed management systems
- Ventilation and heating systems for pig units
- Air filtration and cleaning

As Asserva has been a leader in the livestock automation market since 1978, it is the guarantee to have access to professional quality, high technicality and and reliable equipment.

The company relies on a multidisciplinary design office of 10 people (mechanical, electrical, electronic and IT), which regularly wins awards.



## Manufacturing and design office

French manufacturing 



## Offer & turnkey installation

Study of your project  
Installation of your distributor  
Start-up



## After-sales service - 7 days a week

National breakdown network  
Efficient stock





# The Vraco concept

Starting from a CSR reflection on our waste production combined with our experience in experience in the management of bulk products in livestock farming, from the field to the animal, we designed an automated dispenser for bulk products to eliminate packaging.

Vraco combines all the skills acquired by ASSERVA. Vraco is an innovative concept of automatic distribution of bulk products, easy to use and available 24/7, which drastically reduces packaging by eliminating it from the factory to the end consumer.

In order to make bulk consumption economical, the Vraco dispenser can have up to 7 tons and allows for cost optimization throughout the entire supply chain.



# OUR PROJECT

## The objectives

We set ourselves the objective of offering a concept able to eliminate packaging from a supply chain (from manufacturer to the end customer).

We also want a distributor able to make it possible to save on costs (packaging, logistics handling...).

For the customer, we aim to meet his expectations in bulk, i.e. a choice of purchase quantity, an advantageous price and 24-hour availability.

We believe that the distributor is a perfect vector of perfect communication vehicle to promote a quality product. (More than 25 m<sup>2</sup> of customizable communication).

## WHY ?

### From BtoC to DtoC

We want to democratise bulk purchasing bulk purchases. We can handle all dry products in the form of grains, granules, powders...

We can meet the needs of everyone BtoC, DtoC on markets as different as petfood or wood pellets, as well as various products for gardening or DIY.

This concept is in line with the CSR programs, in particular **SCOPE III**.

## 4 sides

“

25m<sup>2</sup> of customizable surface for communication. A real communication support that has an impact on consumers.

”



# The concept detailed

## Easy to install

A distributor that is easy to install, we come and install it and start it up with you.

No civil engineering, a simple electrical connection is required. With its 4.67 metres by 2 metres, it takes up the equivalent of a parking space.

Available in one or three hoppers, the the dispenser will fit your market. It is a connected object, with a 4G router, the communication is fluid to

to follow the operation of the dispenser. Thanks to an interface that uses the dispenser's data in real time, you will have access to the turnover and stock level of each of each container.

You can control your communication with the help of a 21-inch vandal-proof touch screen adapted to outdoor conditions.



24 hours a day & 7 days a week

100% self-service concept



No need to handle the product.

A concept without packaging ! Zero waste and packaging from the manufacturer to the consumer



Easy to use

Product served directly into the bag/bucket



Trust

French manufacturing / National after-sales network



Connected

Remote management of the automaton, touch screen for optimal visibility and ergonomics.





Animalerie indépendante  
Lesneven (29)



Station-service & lavage  
Castelnaudary (11)

## How and where to install it?

The vending machine is easy to use. All you need is a space of less than 10m<sup>2</sup>, an electrical connection and ASSERVA's team will install your Vraco and start it up with you.

No need for civil engineering, the dispenser is fixed on 4 adjustable feet to be level.



## Communication & marketing support

With its four fully customisable sides, Vraco appears as a real communication and marketing tool.

With this dispenser, you create interaction with your customer even before they enter the shop and boost sales of your products.



4 customisable sides



Supermarkets, car park  
Pontivy (56)



Supermarkets, car park  
Lamballe (22)

# 3-hopper model



## The Vraco 3-hopper

- Three hoppers to offer a short range.
- Capacity: 2 x 2m<sup>3</sup> + 1 x 1.3m<sup>3</sup>
- The door and screen are located in the middle of the distributor for easy accessibility.
- Suction filling for efficient filling from a big-bag to the hoppers.
- The dispenser is equipped with an air, temperature and humidity control. A guarantee for the conservation of the products.



## Available in 2 versions:

### ● Precision weighing

We have equipped the distributor with certified weighing which guarantees that the transactions are accurate.

### ● Plug & play

The dispenser is connected to a simple 220-volt socket. Vraco is immediately ready for use and the personalization is already to your image. You don't have to do anything!

### ● Insulated panels

Its outer structure designed with insulating panels made of glass fibre reinforced polyester and high density recycled foam to guarantee a very high thermal resistance thermal resistance of the highest quality.

### ● 4G connection

The distributor is connected via a secure 4G router. This does not require no installation and allows to secure the banking transactions.

This connection also allows you to monitor the operation of your distributor (turnover, stock level, administration of the product selection menu product selection menu, update of sales prices prices, etc.).

### ● Hermetic stainless steel hoppers & weighers

The hoppers that receive and store the products are made of stainless steel. They are airtight and allow us to guarantee the quality and conservation of the quality and preservation of the products, in particular the palatability products dedicated to the feeding of our pets.

# 1-hopper model



## The Vraco 1-hopper

- A single hopper to provide a capacity of more than 7 tonnes of product, ideal for to offer a large quantity of a single product.
- Capacity: 1 x 10m<sup>3</sup>
- The door and screen are on the side to optimise the volume inside the Vraco.
- Pneumatic or gravity filling through the lift-up roof to save time.





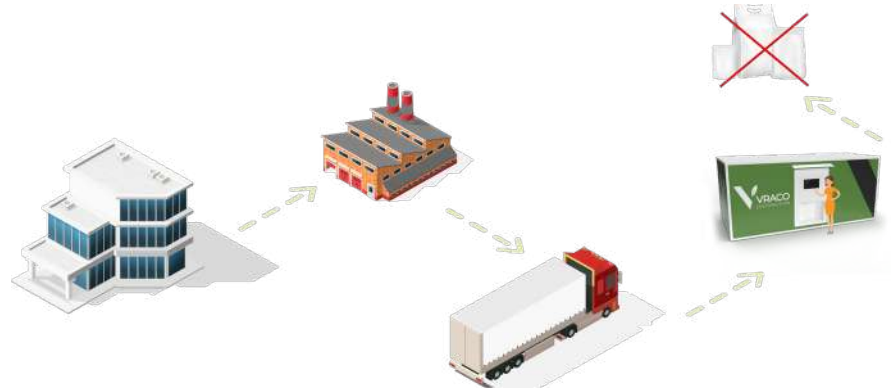
# Ready to use

## ● PROJECT DEFINITION

Definition of the implementation project upstream with our field sales team. The model is 9 m<sup>2</sup> of floor space, the installation does not require building permit.

## ● INSTALLATION & MAINTENANCE

We take care of everything. The installation is carried out by our team of technicians and the machine is up and running immediately.



## ● FILLING SYSTEM

Integrated directly into the dispenser, the filling system facilitates the loading of products to the storage hoppers.

## ● PAYMENT SOLUTION

Payment by credit card: All Vraco vending machines are equipped with a contactless payment system. A means of payment that eliminates the inconvenience of cash and therefore provides more convenience for consumers. It also allows It also increases sales and reduces waiting time.

## ● SUPPORT

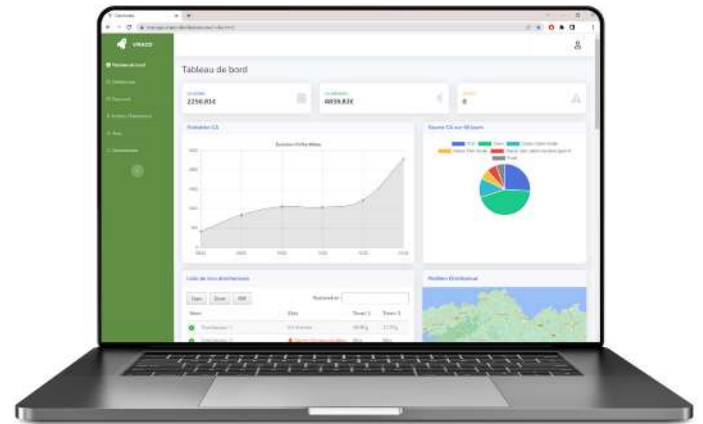
Our technical service is available every day of the week for our professional partners. In addition, Vraco also offers advanced telemetry to measure consumption in real time and to monitor the distributors remotely.

# Software

## A web application for monitoring and management

We offer you an interface to manage your activity. In real time, you control your stocks by creating your alerts. You have access to your sales data (hours, quantities, turnover).

You can administer the information in the program: modification of sales prices, visuals, descriptions and compositions of your products.



## A connected distributor

Your distributors are connected to the interface, which will allow you to have a complete view of all your equipment and benefit from an easy follow-up and management.

The interface will provide you with multiple information with a visualization of the volumes available in the storage hoppers, the current temperature of the dispenser, management of customer and its service status. All data can be copied and exported in Excel or PDF format.





# CONTACT

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