



WORLDWIDE SUPPLIER OF BAGGING  
AND PALLETIZING END OF LINE SOLUTIONS

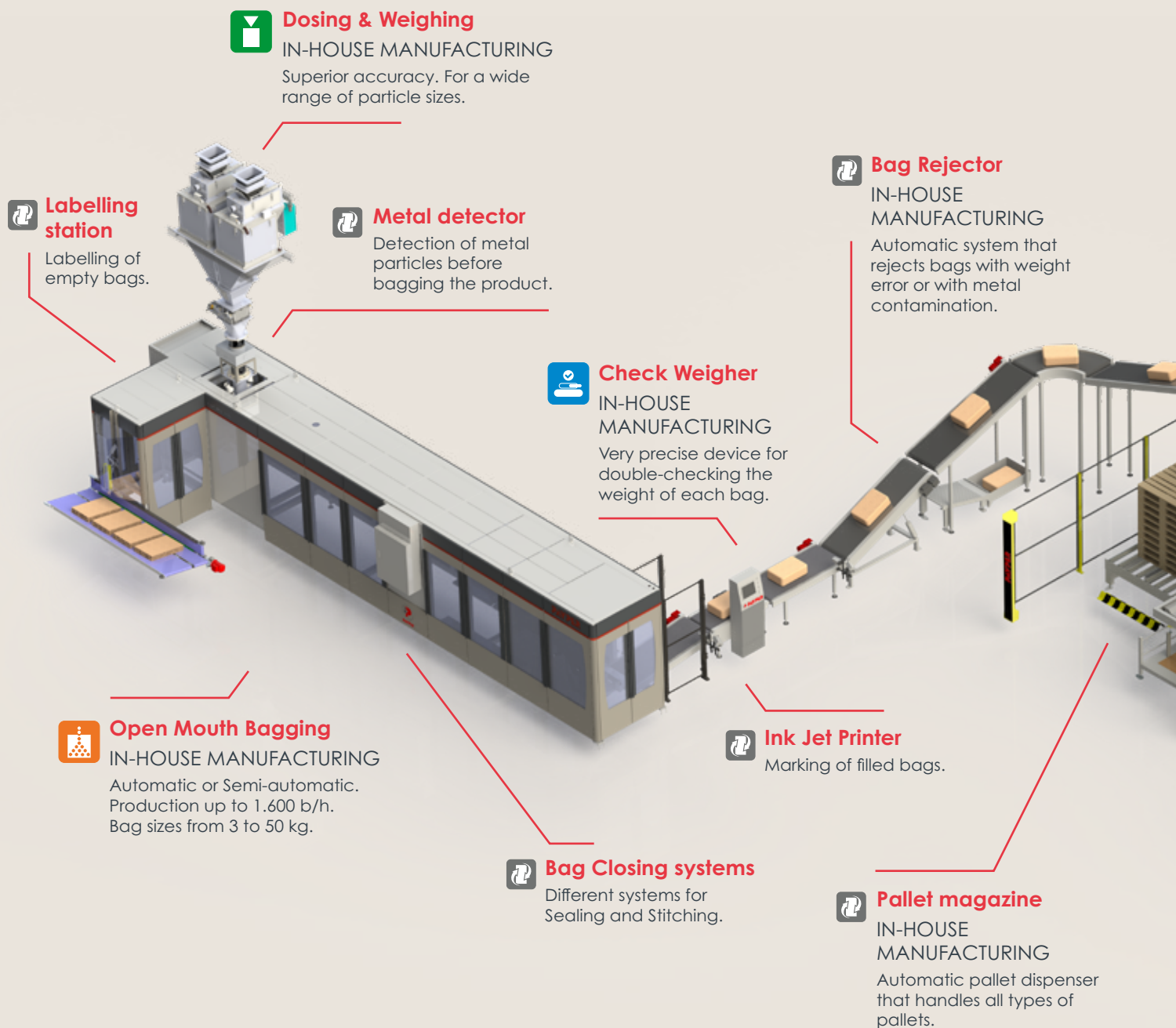


# PET FOOD

Flexible, reliable and precise  
bagging of Pet Food

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Flexible, reliable and precise bagging of Pet Food



PAYPER is your perfect partner when it comes to bagging and palletizing lines. Our business is to develop, adapt and manufacture modern and reliable bagging solutions.

A NEW CONCEPT. THE FUTURE IS NOW

# IMPULS

INDUSTRY 4.0

Interconnectivity | Modular | Personalization  
User-centred | Logical | Safety



## Bag flattener

### IN-HOUSE MANUFACTURING

De-aerating and levelling device for shaping bags to make a stable and nice-looking pallet.



## Palletizers

### IN-HOUSE MANUFACTURING

Row Push, Grip-Push or Robots for palletizing at different speeds. Allows for every type of pallet patterns.



## Slip sheet dispenser

### IN-HOUSE MANUFACTURING

Prevents moisture and bag punctures originating from the pallet.  
Termination of the finished pallet.



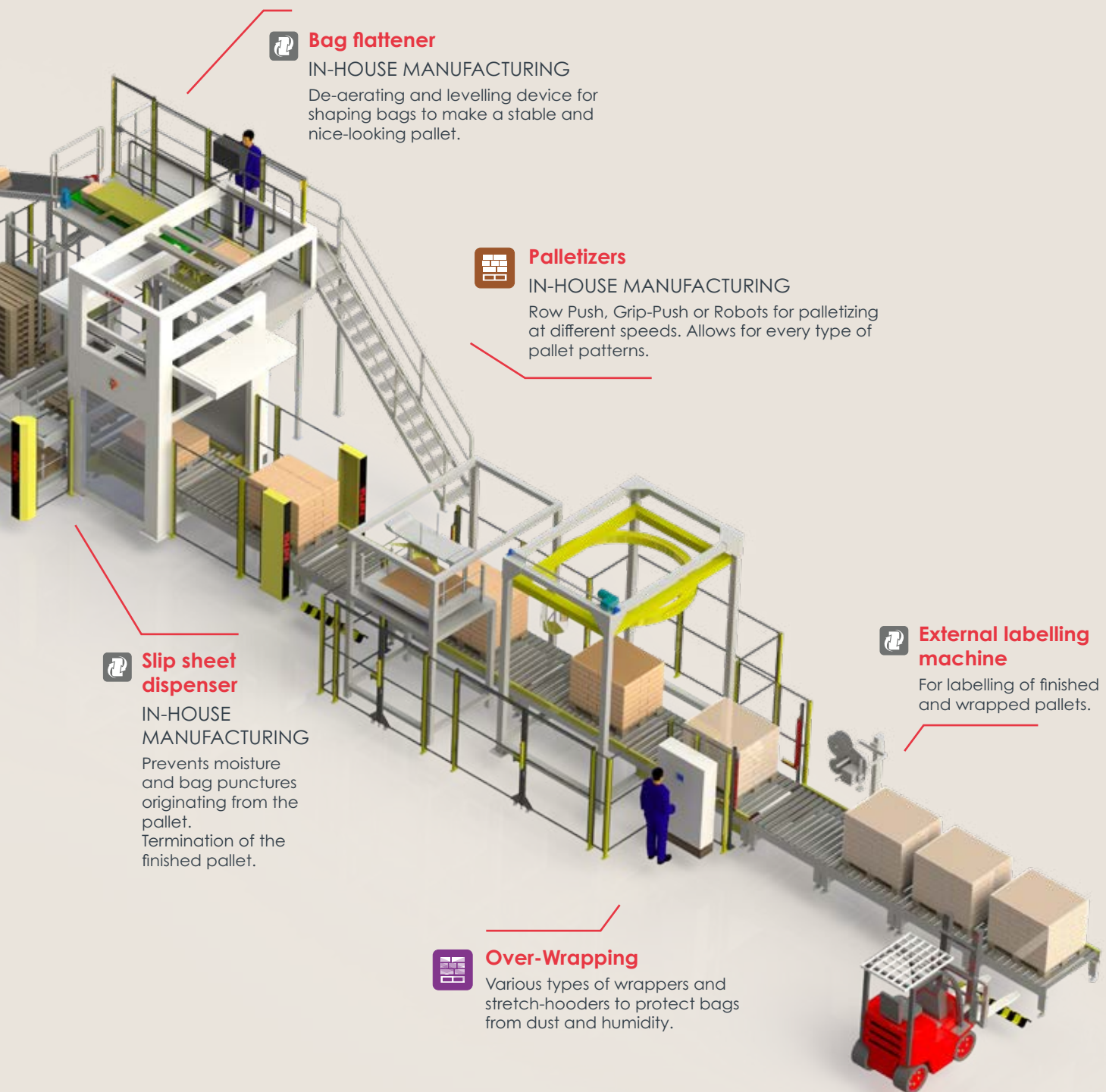
## External labelling machine

For labelling of finished and wrapped pallets.



## Over-Wrapping

Various types of wrappers and stretch-hooders to protect bags from dust and humidity.







**Quick and easy  
change of bag types  
and kibble sizes**



**Bags with  
different  
closures**



**Bag sizes from  
3 to 20 kg**

## PET FOOD

**The Pet Food sector is growing in all parts of the world. New packing solutions must be flexible, fast and reliable.**

The competition is getting stronger with many players in the market and many pet owners highly value an impeccable looking packaging at the moment of the purchase of food for their dog or cat.

Pet food bags are a complex issue. Many producers manufacture a variety of kibble shapes and sizes which are bagged in different size and type of bags.

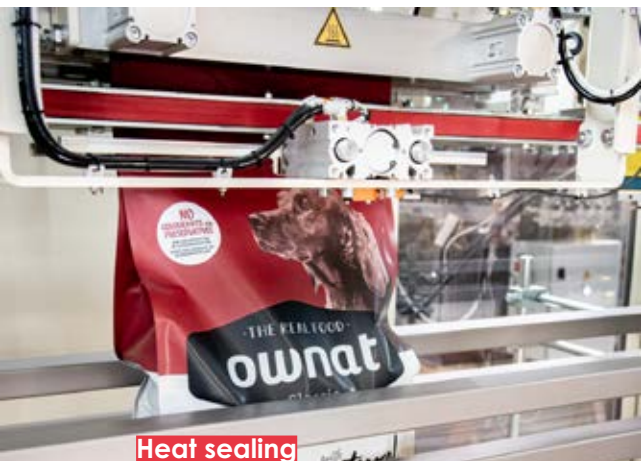
Standard pet food is generally packed in basic PE bags with a simple stitched or heat-sealed closing. On the contrary, for the higher-end premium foods, the tendency is different.

This segment utilises many different bag presentations, including aluminium bags and we find a variety of bag sizes holding from 3 to 20 kg. The bag materials are diverse, sometimes even with a special lining. The bags often feature sophisticated closing systems such as zip, Velcro, etc. and they may even include a handle.

The Pet Food sector is one of the most demanding segments when it comes to choosing a bagging solution. The possibility to change from one kibble size to another and to change the bag type quickly and easily is of major importance. The weighing accuracy and the reliability of the whole installation are equally important.

The product may have to be bagged in a hygienic environment and its shelf life must be the longest possible. Furthermore, the manufacturers have to observe strict legislation as regards to production and product manufacture and manipulation.





Heat sealing



Large automatic magazine for empty bags

# BAGGING AND PALLETIZING SOLUTIONS

**For over 40 years, PAYPER has been a faithful companion to the Pet Food sector all over the world. We have followed the progress closely and we are proud of having participated with solutions specially developed for this sector.**

## ACCURACY

In the Pet Food sector, accuracy is very important. In PAYPER we are developing our own dosing and weighing systems and especially two of these are of relevance to the Pet Food sector: the PN-90/CTS, a belt conveyor dosing system of high capacity and with excellent accuracy. The other one is the PN-20/CGV, a gravity system combined with a vibration channel performing with outstanding accuracy for medium to high speed.

## FUNCTIONALITY AND RELIABILITY

PAYPER's Open Mouth bagging solutions, the CSA product range, are ideal for packing any kind of Pet Food in kibbles.

From the basic machine that automatically fills and closes the bag to the most sophisticated full-liner solution PAYPER has a solution for any Pet Food plant.

This modular and flexible system can be adapted to each individual client by means of installation of work stations. A central control panel manages all functions of the machine and it can be remotely controlled from a tablet or a smartphone.

## AVAILABLE FEATURES

- Quick and easy adjustment when changing bag type and size
- Bag closing by means of sealing and/or stitching
- Printer and/or labeller for product and batch identification
- Vacuum probe with the possibility of injecting inert gas into the bag
- Top-alignment of the bag for a perfect and straight sealing to give the filled bag an impeccable appearance
- Hygienic design, different cleaning systems, CIP, automatic dry cleaning, etc.
- Metal detector (infeed)
- X-ray control
- Check weigher
- Bag rejector, that automatically rejects bags that do not comply with the specifications

## PALLETIZING

- Bag Flattener can be included in the line to assure a stable pallet
- Robotic palletizer
- Low-infeed palletizer
- High-infeed palletizer
- Stretch-wrapper or Stretch-hooder, to maintain a stable pallet load and protect the bags from dust and humidity

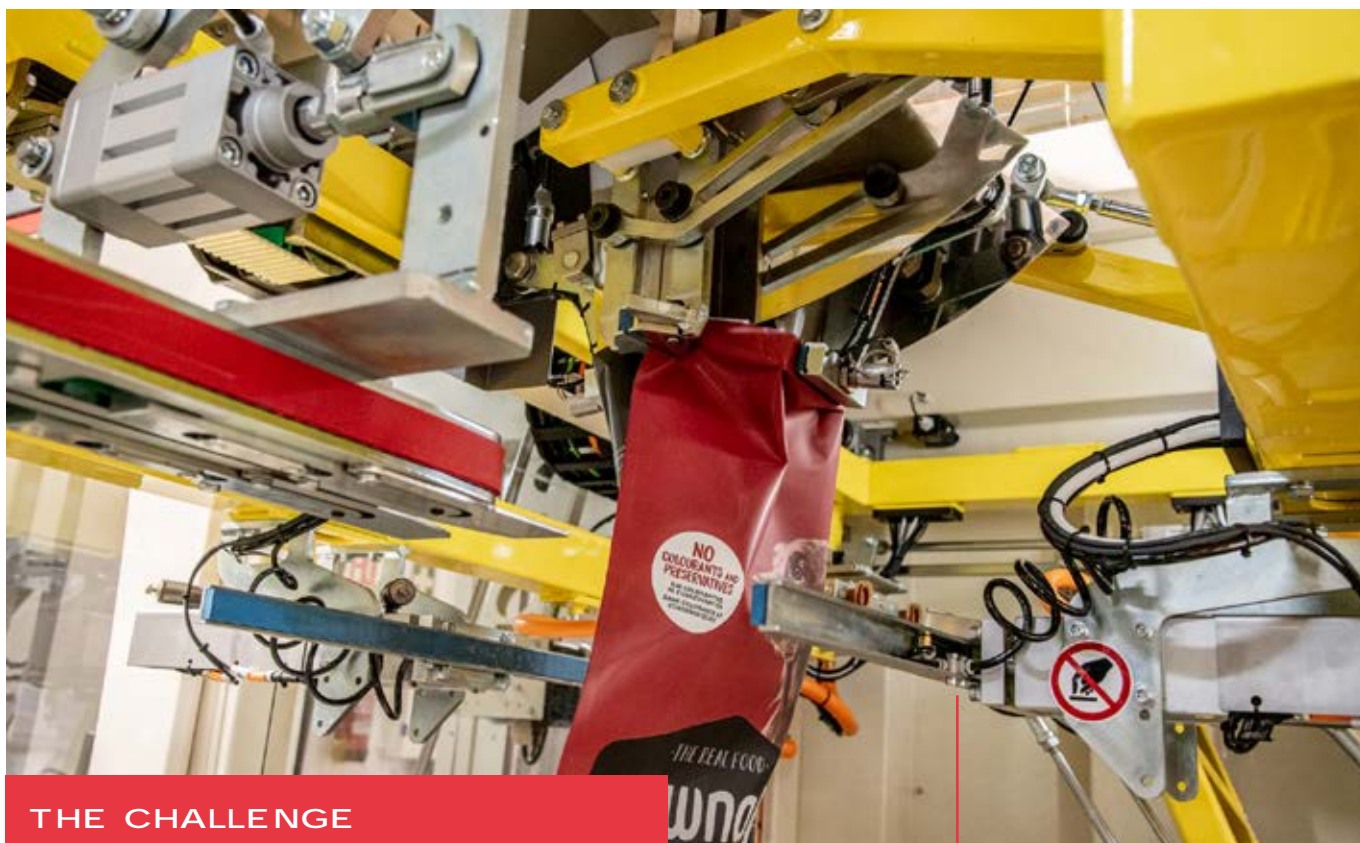




# CASE STUDY



Fully automatic, modern and top-performing bagging machine.



## THE CHALLENGE

Our client needed a fully automatic, modern and top-performing bagging machine with all the features to face the actual and future demands in the Pet-Food sector.

They approached us because they had experienced considerable growth and they needed to expand their production capacity. **Together we designed their new bagging-line.**

## PRODUCTS AND BAGS

When we first discussed this new Pet Food bagging project, it was clear that the client needed a very flexible solution. Like most Pet Food manufacturers, the list of different products was very long: More than 60 products and different kibble sizes that should be packed in bags from 5 to 20 kg.





**Thermo transfer printing station for empty bags**

We analysed the wide spectrum of bag types and materials: Laminated aluminium, polyethylene and laminated, woven polypropylene bags. Some of them were equipped with a zip or a slider and some with Velcro-closure. Some should be filled from the mouth and others from the bottom, including double bottom bags.

The required rate was to match the extruder's capacity of 10.000 kg per hour.



**A de-aeration system evacuates the air in the bag before the final closure by welding**

## THE SOLUTION

**Our recommendation was the CSA MD-105**, a truly versatile solution, that would adapt perfectly to all these different needs.

It was equipped with a multiple empty bags magazine that confers great autonomy to the installation. The client wanted to print the batch number and the expiry date on the empty bag. We fitted a thermal printing station that ensures a perfect marking

due to the exact stopping position of the bag.

To guarantee outstanding precision while maintaining the high-speed filling rate, we agreed on a double dosing and weighing system with vibrating channel.

When a bag is fitted with a zip or a Velcro closing, that is unintentionally closed, the filling mouth has a special feature, that opens the bag without damaging the bag's external decoration.



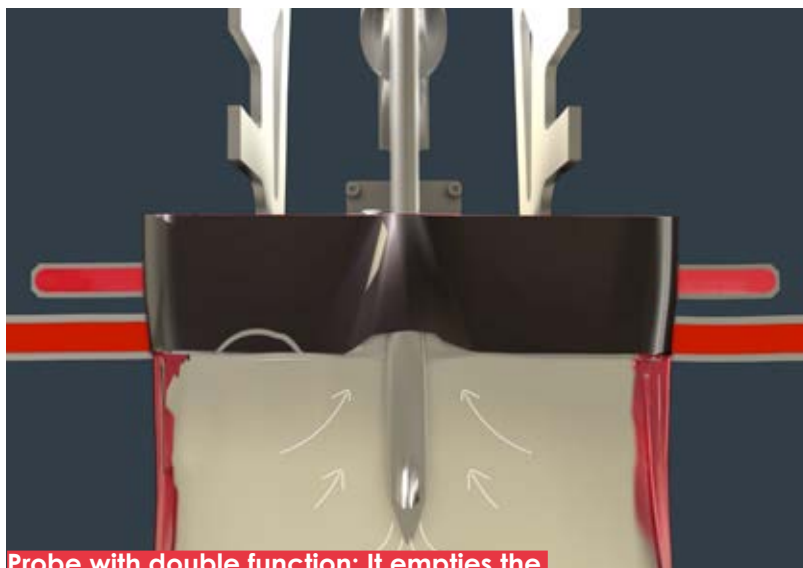
Watch video





A de-aeration system evacuates the air in the bag before the final closure by welding. Optionally we have left one station open in the **CSA MD 105**. At a later stage, we can fit a probe with a double function: It empties the bag of air and it can fill it with an inert gas.

Before the final closing of the bag in the welding station, an alignment system to level the bag's mouth assures a perfectly positioned welding on the very top of the bag with an excellent finish. The welding station is capable of making a double welding if required.



**Probe with double function: It empties the bag of air and fills it with inert gas**



**Bag top leveller**

**Fully equipped bagging machine, made for the versatile conditions in the Pet Food Industry.**

**“ The automatic air cleaning cycle ensures perfect cleaning of all parts that come into contact with the product.**

The hygienic aspect has been particularly addressed by means of the integration of an automatic air cleaning system. The dosing and weighing system together with the connecting hopper and the bagging mouth are designed to ensure that there is no retention area. Therefore, the automatic air cleaning cycle ensures perfect cleaning of all parts that come in contact with the product. All PAYPER machines can be accessed from all four sides, including from the electrical cabinet, a feature that makes maintenance and cleaning very easy.





# CASE STUDY



## Full line Bagging and Palletizing solution that fulfil future needs.



*"One of the greatest satisfactions is the precision of the weighing and dosing system and the speed with which it is done"*

**Mr José Sejas**

End of Line Coordinator, Responsible for operation and maintenance



[Watch video](#)

ACA, one of Argentina's main pet food manufacturers, decided to install new technology in their production line, as the old manual bagging system had become a bottleneck in the production line.

The company has a wide variety of extruded products with kibble sizes ranging from 2.0 mm diameter up to 16.0 mm diameter x 26 mm long, with an ethereal extract from 4.0% up to 30.0%. The bag-types are numerous as well: Open mouth paper bags and open mouth plastic bags with or without micro-perforation, with 4 seams, pillow type or laminated with aluminium.

The production rate of the new system should be capable of reaching **1.000 bags of 15 kg per hour**. Furthermore, it should be easy to switch between different bag sizes, from 8 to 30 kg and between different closure systems such as heat sealing, stitching and sew-through tape closure.

ACA investigated the market and visited different installations and finally decided on PAYPER for several reasons: **Precise, well-functioning and reliable machines that would fulfil future needs.** PAYPER has representation in Argentina and technical service in Brazil.

**Together ACA and PAYPER designed the new end of line solution,** assuring that all the demands were taken into consideration.

## Requirements for our new End of Line solution:

- Precision and accuracy
- Capacity of 1.000 bags/h
- Ability to work with a variety of kibbles
- Must handle different bag materials and sizes

**Mr Roberto Chunco**  
Head of the Feed Plant



**Hassle-free switch between kibble types, bag sizes and closing systems**



The system comprises of a **CSA-105 open-mouth bagging machine** and a **TOP LOAD palletizer**. The commissioning of the installation was handled in a very professional way with thorough training of the operators. Whenever we have needed PAYPER's After Sales Service the response has been optimal.

Since the installation in May 2017, the bagging line has proved its worth. The goal of manufacturing has been fulfilled, we have obtained the expected savings and the presentation and the finishing of the bag is of top-quality, ready for retail.

*"The replacement, in addition to automating allowed us significant cost savings and improvements in the final presentations of our products."*

**Mr Walter Brignoli**  
General Manager of the Feed Factory.

## SOME OF OUR CLIENTS





## INTEGRAL PERSONAL SERVICE



We are a team of highly skilled professionals who inspire trust and confidence.

**Quick response**  
How can we help you?  
¿Cómo podemos ayudarle?  
Comment pouvons-nous vous aider?  
Wie können wir Ihnen helfen?  
Como podemos te ajudar?  
Как мы можем вам помочь?  
ให้เราช่วยคุณได้อย่างไร  
كيف يمكننا أن نساعدك

**Individual and Tailor-made solutions.**

**Spare Parts Service**  
Continuous follow-up and feed-back

**Commissioning and Training**

**Diagnosis and Problem solving**

**Order processing in less than 24 hours**

**Global and Local service**  
Subsidiaries and Agents world-wide.  
**Find your nearest service point here.**



| On-site and on-line assistance

### Benefit from professional service and advice throughout the process: Before, during and after the acquisition of a new line.

When you are in the market for a new bagging and palletizing line, many aspects have to be taken into consideration. Specifications, performance and price are of course important issues, but there is one thing even more important: service.

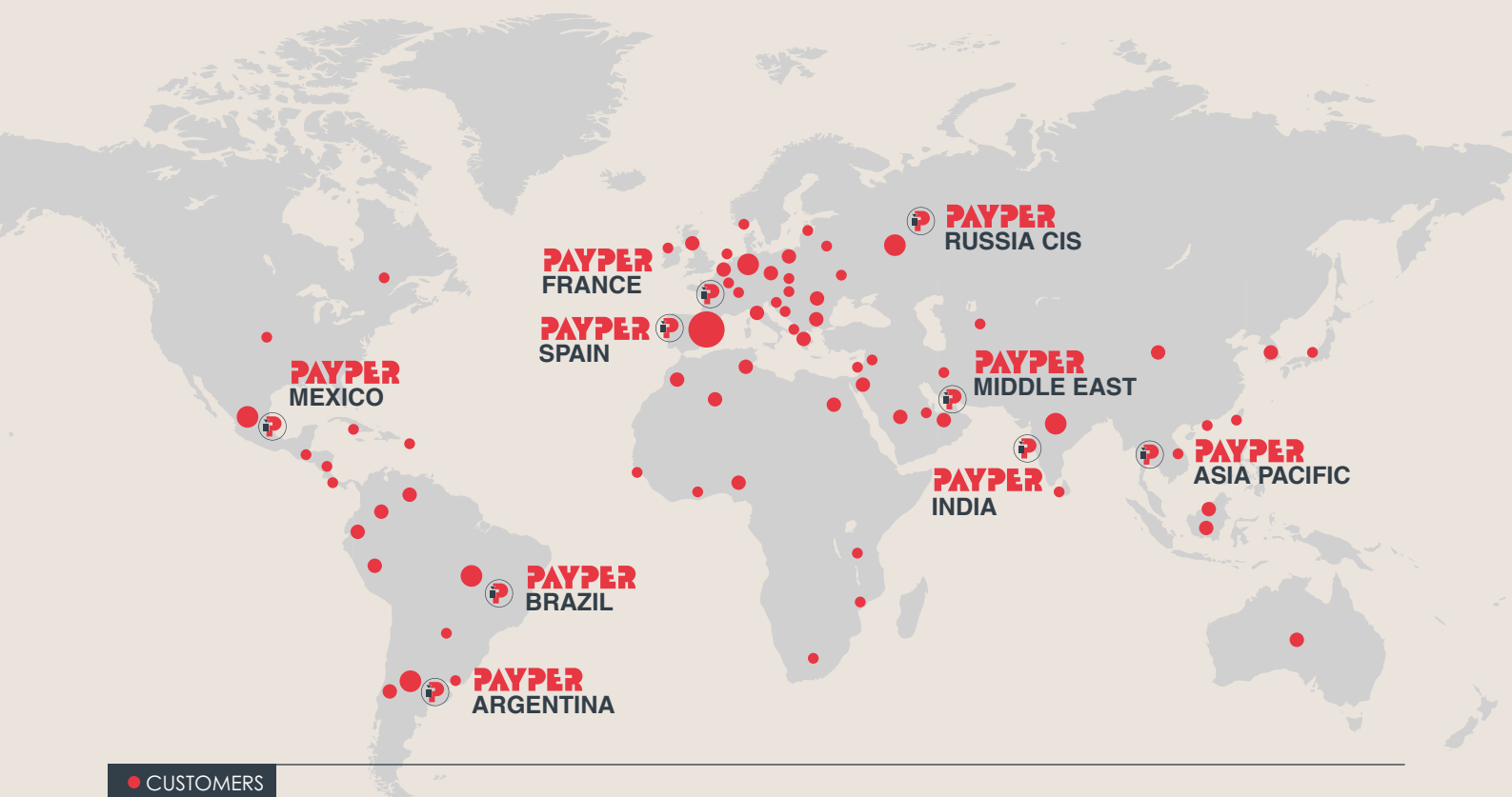
In PAYPER we sincerely believe that long term business relationships are built on mutual confidence. To achieve that, Service plays an essential role.

# WORLD WIDE SUPPLIER OF BAGGING AND PALLETIZING END OF LINE SOLUTIONS



# PAYPER

## BAGGING & PALLETIZING SOLUTIONS



● CUSTOMERS



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