



WORLDWIDE SUPPLIER OF  
BAGGING AND PALLETIZING END  
OF LINE SOLUTIONS



# **BUILDING AND MINING INDUSTRY**

High-speed and fully automatic heavy-duty  
bagging and palletizing solutions

# BUILDING AND MINING INDUSTRY

High-speed and fully automatic heavy-duty bagging and palletizing solutions



## Valve bag filling machine

IN-HOUSE MANUFACTURING

Automatic bag placing and bag filling machine with optional valve sealing system.



## Palletizers

IN-HOUSE MANUFACTURING

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



## Bag Rejector

IN-HOUSE MANUFACTURING

Automatic system that rejects bags with weight error or with metal contamination.



## Pallet magazine

IN-HOUSE MANUFACTURING

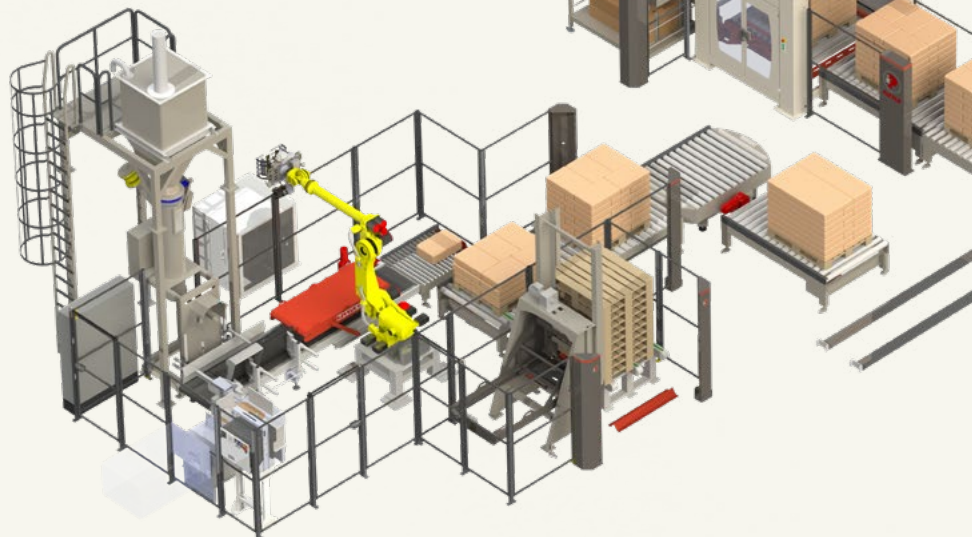
Automatic pallet dispenser that handles all types of pallets.



## ALL-IN-ONE

IN-HOUSE MANUFACTURING

Integrated system with a very compact footprint: Valve bag filling machine with robotic empty bag placing and palletizing.



**PAYPER**  
BAGGING & PALLETIZING SOLUTIONS

PAYPER is your perfect partner for 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



## Check Weigher

IN-HOUSE MANUFACTURING

Very precise device for double-checking the weight of each bag.



## Bag Rejector

IN-HOUSE MANUFACTURING

Automatic system that rejects bags with weight error or with metal contamination.



## Over-Wrapping

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



## BIG BAG

IN-HOUSE MANUFACTURING

Semi-automatic Big Bag filling station for bags with 1 or 4 loops and weighing between 500 and 2,000 kg.

Panel and multi-display control



# BUILDING AND MINING PRODUCTS

**Big Bag filling station  
with automatic pallet  
conveying**

**Flexible packaging for improved efficiency.**



Major multinational building chemical-enterprises currently offer a wide range of products and services.

Some examples of products:

- Construction dry mortar
- Tile adhesives and grouts
- Flooring products
- Sealants, foams and roofing systems
- Repair and special mortars

This line of products has proved to be successful because they are easy to use for the end-user, who only has to add water and mix the product. The manufacturer has to guarantee the highest quality for these products throughout the entire production process, including during weighing and bagging.

The building material producers sometimes need to develop their formulations. This implies different product densities and packaging sizes.

PAYPER is trusted by many of these companies and we regularly install our bagging machines in their plants around the world. This confidence is the result of many years of experience and development, responding to the new needs of our customers.

The key aspects of a good bagging installation for this type of product are very familiar to PAYPER:

- Avoid segregation of the components and maintain the homogeneity of the mixture
- Dust emission control to maintain the right conditions in the working environment
- Reliability of the installation, reducing the need for operator supervision
- Balance between high production capacity and correct weighing accuracy
- Versatility in terms of products and bag sizes
- Easy cleaning to avoid cross-contamination, particularly relevant when different coloured products are packed by the machine
- Ease of operation and maintenance
- Optimised running costs

PAYPER offers a wide range of solutions to pack your building materials and products in all types of bags, based on our standard equipment. As a customer-oriented company, we are especially focused on specific customer requirements that give each project its unique personality.





**4-Spout valve-bagging  
installation combined  
with an HLP-200 palletizer.  
Accurate and fast bagging  
and palletizing: Up to 2,000  
bags/hour.**



# BAGGING AND PALLETIZING SOLUTIONS

## **PAYPER Group, a global partner for a long-term relationship.**

Since the very beginning, PAYPER's main philosophy has been to put the customer at the centre.

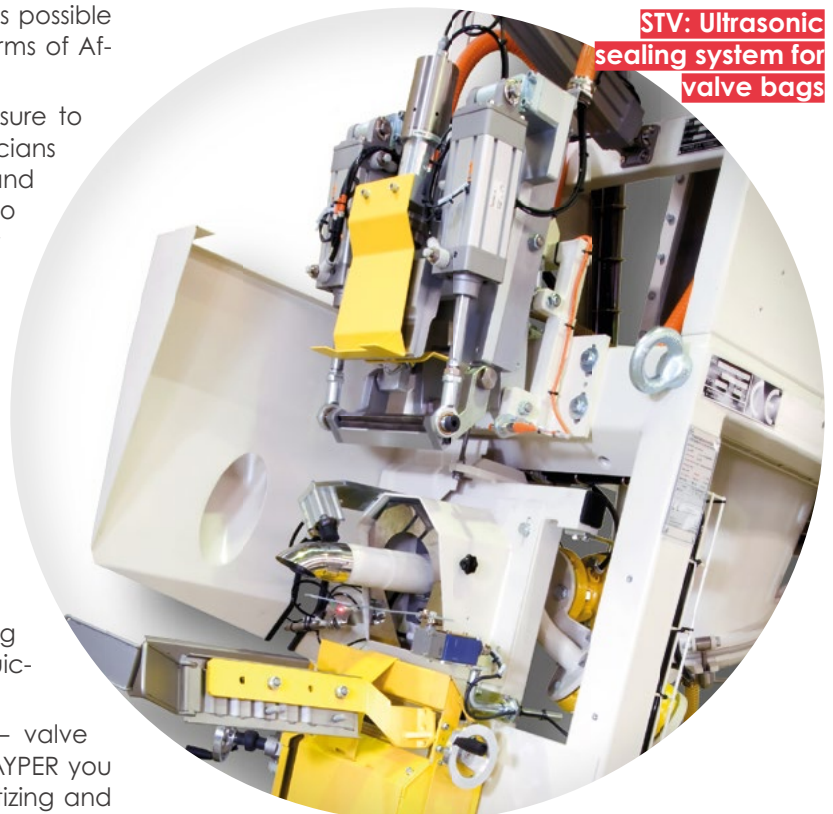
The PAYPER Group has established eight subsidiaries around the world so that it can be as close as possible to its customers, both commercially and in terms of After-Sales Service.

When entrusting your project to us, you are sure to have an experienced team of sales technicians by your side. They will completely understand your needs and be able to transform them into an end of line solution that perfectly suits your needs.

With half a century of experience and over 5,000 installations delivered all over the world, the PAYPER Group is one of the leaders in the sector. We put the experience that we have built up over the last 50 years at your disposal. This is why PAYPER is the right choice for your Bagging and Palletizing solution.

PAYPER is a reliable partner in all aspects of after-sales service. Whether you need technical assistance, spare parts or you are looking at upgrading your existing bagging or palletizing line, we are here to advise you and find the quickest, optimum solution for your needs.

Whatever the type of packaging required – valve bags, tubular FFS or open mouth bags – at PAYPER you will find a tailor-made solution including palletizing and overwrapping.



**STV: Ultrasonic  
sealing system for  
valve bags**

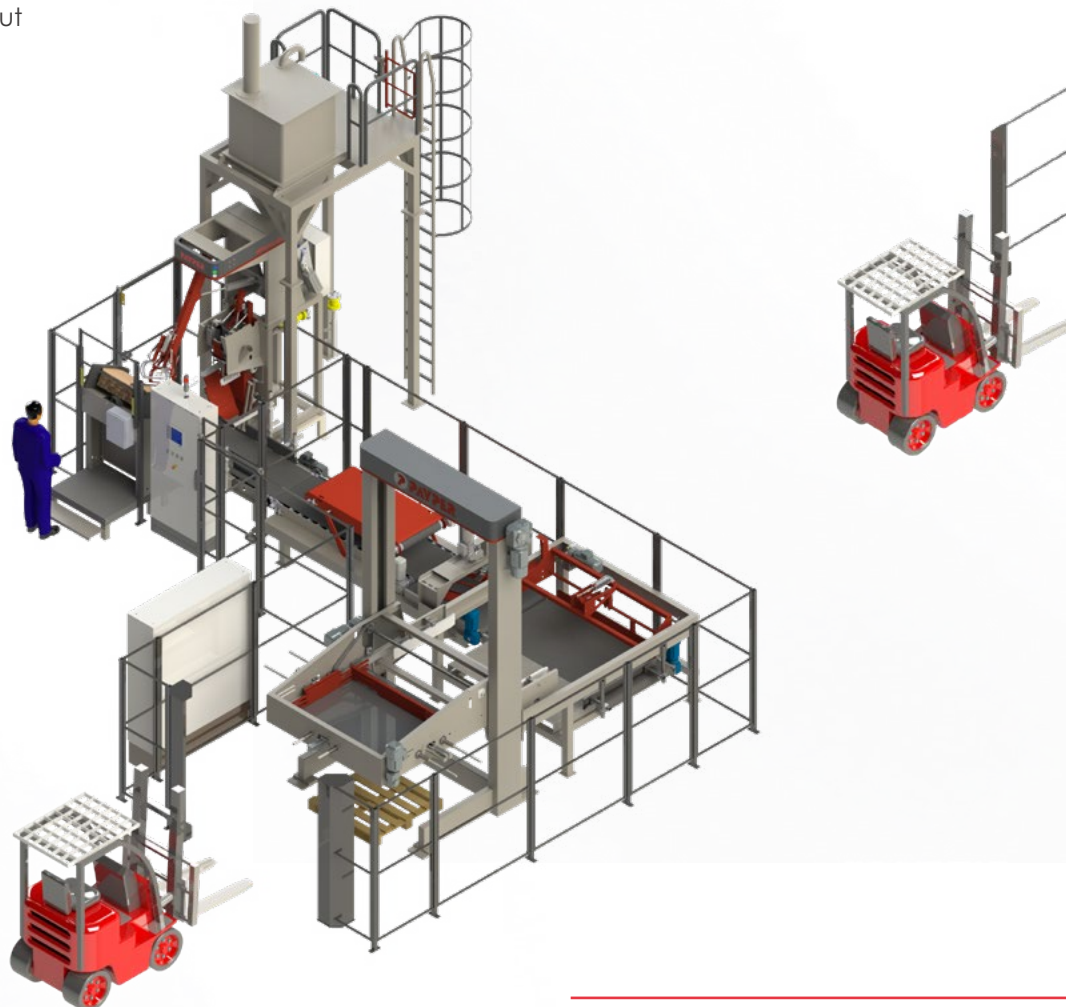
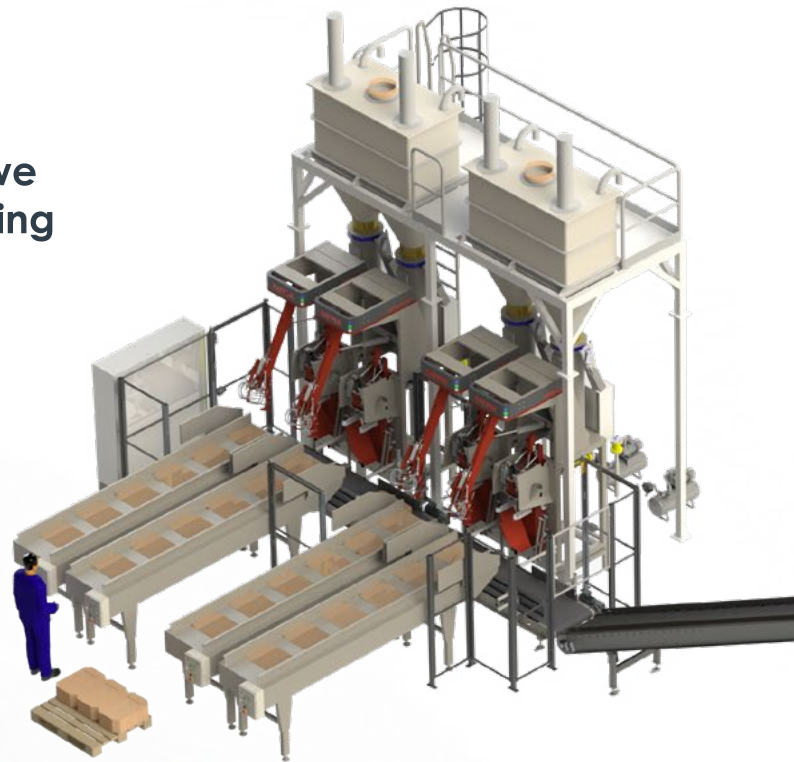
# THE PERFECT MATCH

For every PAYPER bagging system, we have a palletizer with a corresponding bags/hour rate.

PAYPER boasts one of the most comprehensive ranges of bagging machines and palletizers. Every bagging machine has its equivalent in the palletizer range, from 300 bags/hour up to more than 2,000 bags/hour.

## 01

A low-speed line may consist of one single spout valve bag filling machine combined with a low-level infeed palletizer without automatic pallet handling.

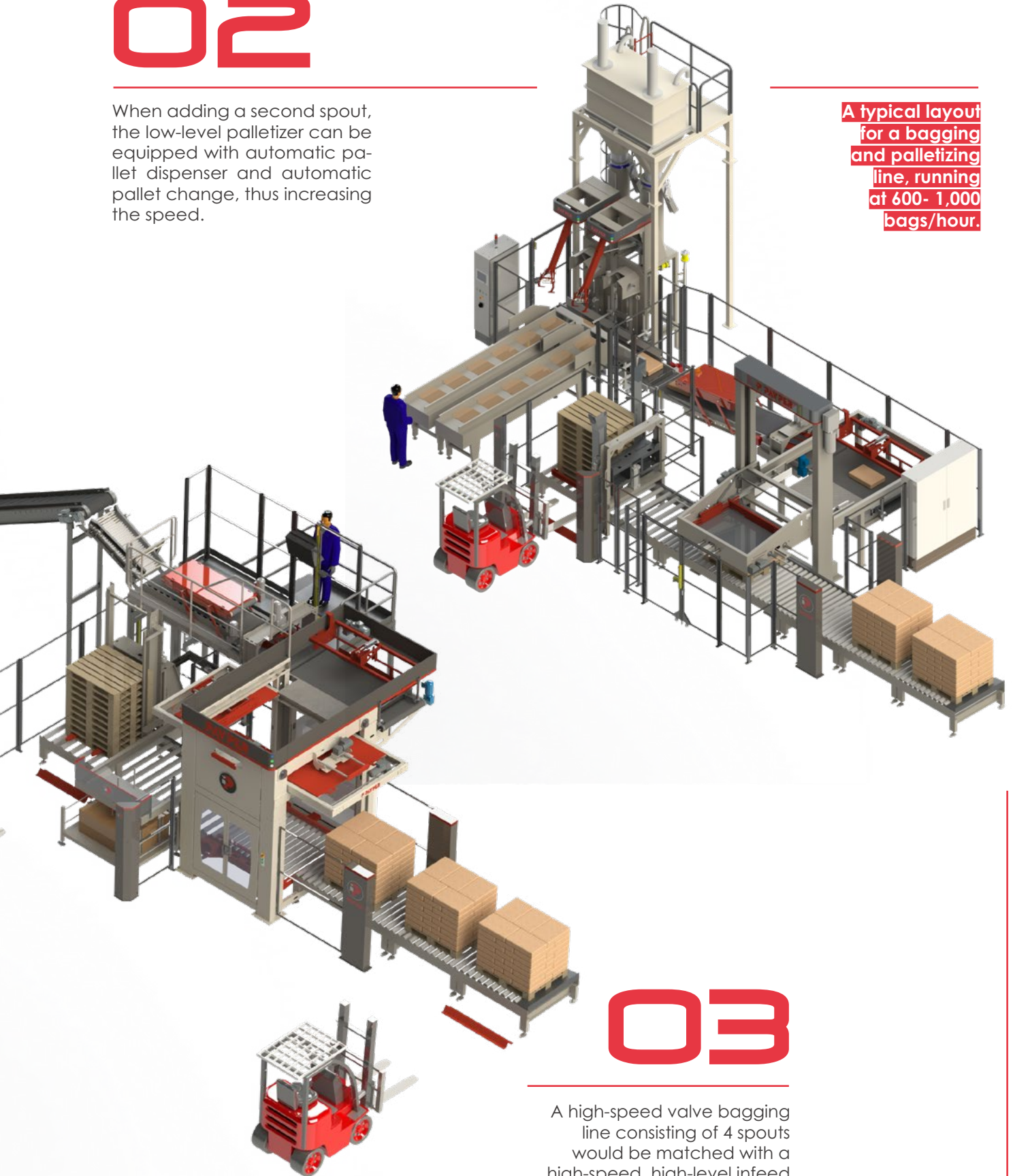


An example of a layout for a bagging- and palletizing-line, running at about 300 bags/hour.

# 02

When adding a second spout, the low-level palletizer can be equipped with automatic pallet dispenser and automatic pallet change, thus increasing the speed.

**A typical layout for a bagging and palletizing line, running at 600- 1,000 bags/hour.**



# 03

A high-speed valve bagging line consisting of 4 spouts would be matched with a high-speed, high-level infeed palletizer.

**Layout for a high-speed bagging and palletizing line, running at up to 2,000 bags/hour.**

# CASE STUDY



“With the new installation, and in partnership with PAYPER, we managed to have high-quality bagging for our markets without compromising on productivity”



**NOVAMIX – DOMOCHEMICAL SA** is a modern manufacturer with significant experience in manufacturing advanced building materials. The company offers integrated building systems that cover almost any application requirement in modern construction.

**NOVAMIX's** production facilities are based at the state-of-the-art production unit in Thiva, Greece, equipped with automated lines and have an annual production capacity exceeding 100,000 tonnes of mortar.

In 2007 **DOMOCHEMICAL** entrusted PAYPER to install their first automatic bagging line for bagging industrial mortars in valve bags. The line consisted of two spout air packers from the PFG-10 series, with automatic bag placer CSV-1B, capable of producing 1,000 bags/hour (25 kg).

Based on the smooth functioning of these two bagging spouts and the customer's satisfaction with the quality, reliability, bagging rate and accuracy, DOMOCHEMICAL decided to count on PAYPER again when the company expanded their production in 2019.

This expansion involved:

- An increase in the factory's production with a new range of products
- Providing the market with completely closed, sealed bags





**The two new automatic air packers with valve sealing system**

The solution was a new bagging line for packing industrial mortars in valve bags and sealing these with an ultrasonic sealing system. The line comprised two automatic air packers from the PFG-10 series, featuring the "STV" ultrasonic sealing system. The new line will be upgraded in the future, with an additional third filling spout. The current capacity with valve sealing is 600 bags/hour and 700 bags/hour without valve sealing. When a third filling spout is added the capacity will increase to 900 bags/hour with valve sealing and 1,050 bags/hour without valve sealing.

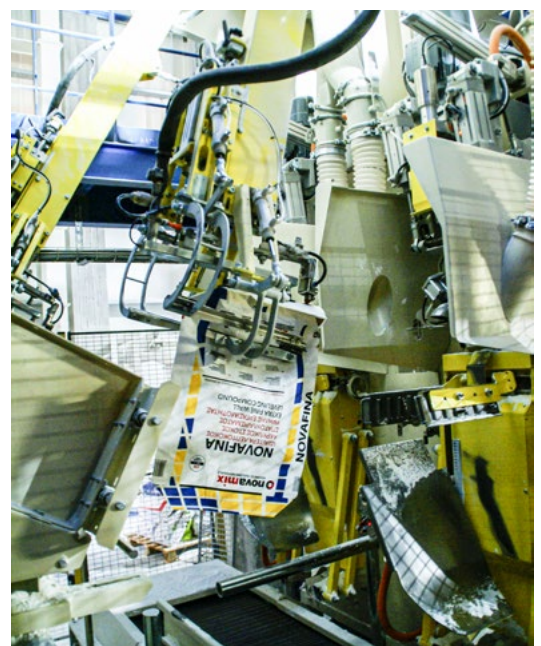
*"Seeing the two machines side by side, old and new, it is impressive to see how PAYPER is evolving, applying best practices from the field and bringing new features to the machines. The project went very smoothly and was well-prepared in advance. Although the start-up took place during a very difficult period, with the emergence of coronavirus, PAYPER's customer service proved to be top-quality, centred around expertise and being available for the customer. The Internet of Things is no longer a dream as the machines are connected to the web and PAYPER's technical service can have a live overview, when needed.*

*With the new installation, and in partnership with PAYPER, we managed to have high-quality bagging for our markets without compromising on productivity. Well done PAYPER!"*

*"PAYPER had an advantage when it came to being selected again for our new investment, as they had already proven their quality – a pair of machines working well for almost 13 years, simple, durable and reliable, with high-quality components and friendly and specialist technical support"*



[▶ Watch the video](#)



# CASE STUDY

## Precise Bagging of Minerals in Open Mouth Bags

PROMAT Middle East is a subsidiary of the Industrial Division of the Belgian-based group, Etex. This industrial group manufacture and market high-quality building insulation materials to diverse industries around the world. PROMAT provides a broad, comprehensive range of passive fire protection and insulation solutions with various applications for the construction industry – buildings, infrastructure and tunnels – as well as the oil and gas industry.

Each of PROMAT's products has a unique specification, to offer the perfect solution for every new project. One of PROMAT's key products is a spray, which is produced and manufactured in the Middle East. Promat packs these spray products, which are vermiculite-based materials, in gusseted, woven polypropylene bags of 20 kg. The bagging line had to run at 400 bags per hour. PAYPER's solution was a CSA-95 open-mouth bagging machine, with a PN20-CAD screw feed-dosing and net weighing system, which achieves a speed of up to 500 bags per hour. Thanks to this precise technique, PAYPER guarantees a filling accuracy of 50 g per sigma.

The plant manager at one of PROMAT's production sites located in the United Arab Emirates gives his testimony:

*"...we have recently installed a PAYPER automatic station to bag our products in open-mouth sacks. We decided to put our trust in PAYPER because, from the very beginning, they perfectly understood what our needs were. Throughout all phases of the project, PAYPER has been by our side offering their experience and knowledge. Now that we have the bagging machine in operation, we can only confirm that our decision was the right one..."*



*Throughout all phases of the project, PAYPER has been by our side offering their experience and knowledge*

**Promat**



**500 bags/hour with unbeatable precision**



# CASE STUDY

## Cementos Capa. One of Spain's top five most important special mortar manufacturers

When Cementos Capa needed to expand their plant in Pantoja, Toledo (Spain), we studied different bagging line options together. The company's initial requirement was a bagging line with an output of between 900 and 1,000 bags/hour of 25 kg. Cementos Capa wanted a solution with sturdy and reliable machines, similar to their installation in Murcia. Some years ago, PAYER installed two bagging machines in the plant in Abanilla, Murcia, and the machines are still running and providing excellent performance.

The choice for the expansion in Pantoja came down to a combination of two PFG-10 valve baggers featuring PAYER's unique fluidification system. Mortar is a semi-free flowing product and valve bagging is a perfect technique for maintaining an accurate weight at an optimum bagging speed.

As a special feature, Cementos Capa wanted to incorporate a spillage collector that recovered any spilt material from underneath the filling spout to recycle it and return it to the main hopper.

*"We have been really satisfied with these two new bagging spouts since they were installed in 2019", says Manuel González, Industrial Director at Cementos Capa. "The precision is outstanding and they meet our objectives. During the commissioning, PAYER's technicians proved to be very professional and we received in-depth training".*

After the installation of the valve baggers in Pantoja, Cementos Capa started the commissioning of an installation in North Africa. They have ordered two new PFG-10 valve baggers, similar to the ones installed in Spain.

At PAYER it provides a sense of satisfaction when a customer like Cementos Capa entrusts us to install new lines in yet another of their plants. We are delighted when our customers are happy with the bagging solutions that we offer.

*We have been really satisfied with these two new bagging spouts since they were installed in 2019.*

**Manuel González.** Industrial Director



**2 PFG-10 valve baggers – a sturdy and reliable solution that Cementos Capa has now incorporated in three of their plants**



**Spillage collector for recycling spilt material**



# CASE STUDY

**The ALL-IN-ONE robot:  
Compact solution for  
automatic bagging  
and palletizing.**

**Many kinds of  
valve bags:  
Paper, PP or PE  
from 5 to 50 kg**



Some companies have a very limited packaging area. We can find this in both bigger and smaller companies and is normally due to low production. Nevertheless, there is still a need for bagging and palletizing. Moreover, if the product to be bagged is a dangerous one, automation is necessary but often costly.

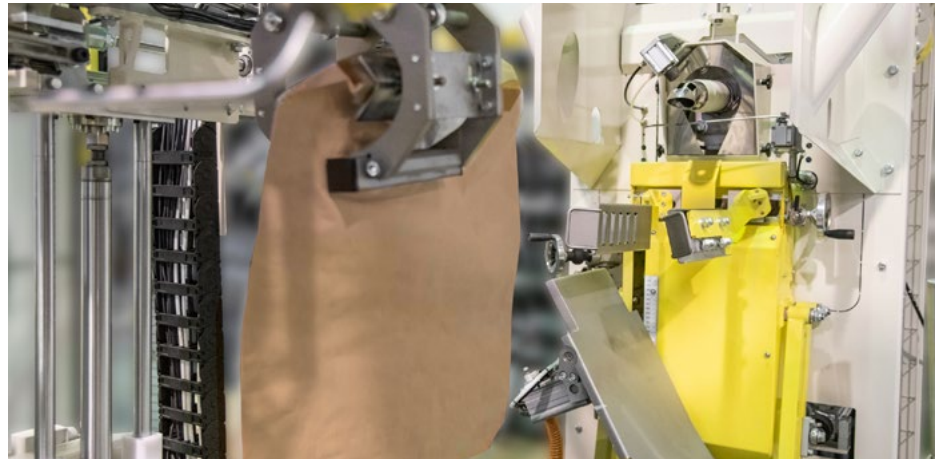
PAYPER has developed a unique solution for these products to be packed in valve bags and palletised. This solution is called ALL-IN-ONE.

The ALL-IN-ONE is a robotic solution where the tool presents the empty bags on the bagging station for valve bags and while the bag is being filled, the same robot palletizes the filled bags.

This modular solution makes it possible to respond to virtually all requests regardless of the sector of activity (construction, food, chemical, etc.).

The ALL-IN-ONE solution has already been installed in several companies, who consider PAYPER a specialist. They have entrusted PAYPER with the development and supply of a technical solution adapted to their needs, whilst also controlling the level of financial investment required.

A clay producer, located in the French Dordogne, produces 25 kg bags and found it very complicated not having the right machinery, as their production was very costly both in terms of time and manpower. Investing in a bagging machine and also having to acquire a palletizing solution was much too expensive. They were left without a solution, until they were introduced to PAYPER's ALL-IN-ONE.



*Before installation of this system, the company needed several operators to realise just a few pallets. Today, with the ALL-IN-ONE installed, one employee manages all the functions.*

Now they have installed an ALL-IN-ONE with one bagging spout and integrated palletization. The 25 kg bags are filled, sealed and palletized with this robot installed on a very reduced footprint (4 m x 6 m). The operator is refilling the empty bag magazine and collecting loaded pallets to be shipped.

Before installation of this system, the company needed several operators to realise just a few hand-loaded pallets. Today, with the ALL-IN-ONE installed, one employee manages all the functions.

The result is nice-looking bags, thanks to the ultrasonic sealing and nice-looking pallets, thanks to the robot. The production is keeping the pace and it is no longer a problem to produce 25 kg bags!

A little bit farther north, in the Bourgogne region, a cement producer was required by important customers to produce a certain variety of

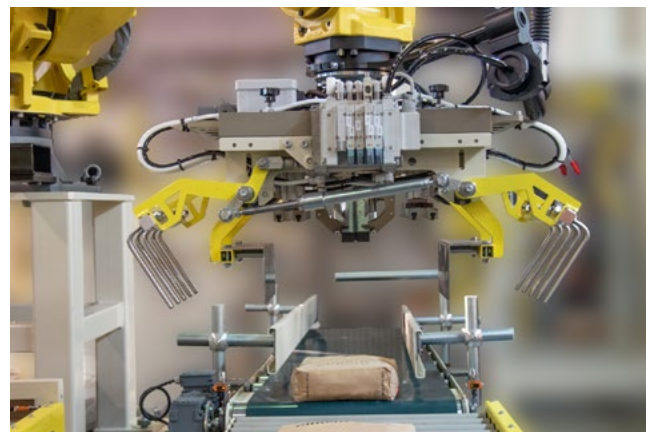
their cement in 25 kg bags. Their plant was not prepared for this bag size and the volume of bags required was not big enough to get a nice return of investment from their standard packaging line. They knew they had to find a solution.

PAYPER's ALL-IN-ONE meets their needs perfectly. They are now able to produce 25 kg bags in shorter series when needed, and the investment required has been affordable. Even if 25 kg bags are not the company's core business, they can provide their customer with this particular additional service, which means a lot to them.

Affordable investment and reduced manpower make the ALL-IN-ONE a worthy solution for a lot of small bagging lines.



[Watch the video](#)



Use the height adjustment to precisely adjust the bag to the filling spout.



High production installation: 4 PFG-10 valve baggers working in line. Production up to: 2.200 bags/hour.



Filling spout and suction cups to hold the empty bag in place.



High level infeed palletizer, HLP

SOME OF OUR CUSTOMERS



## 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.

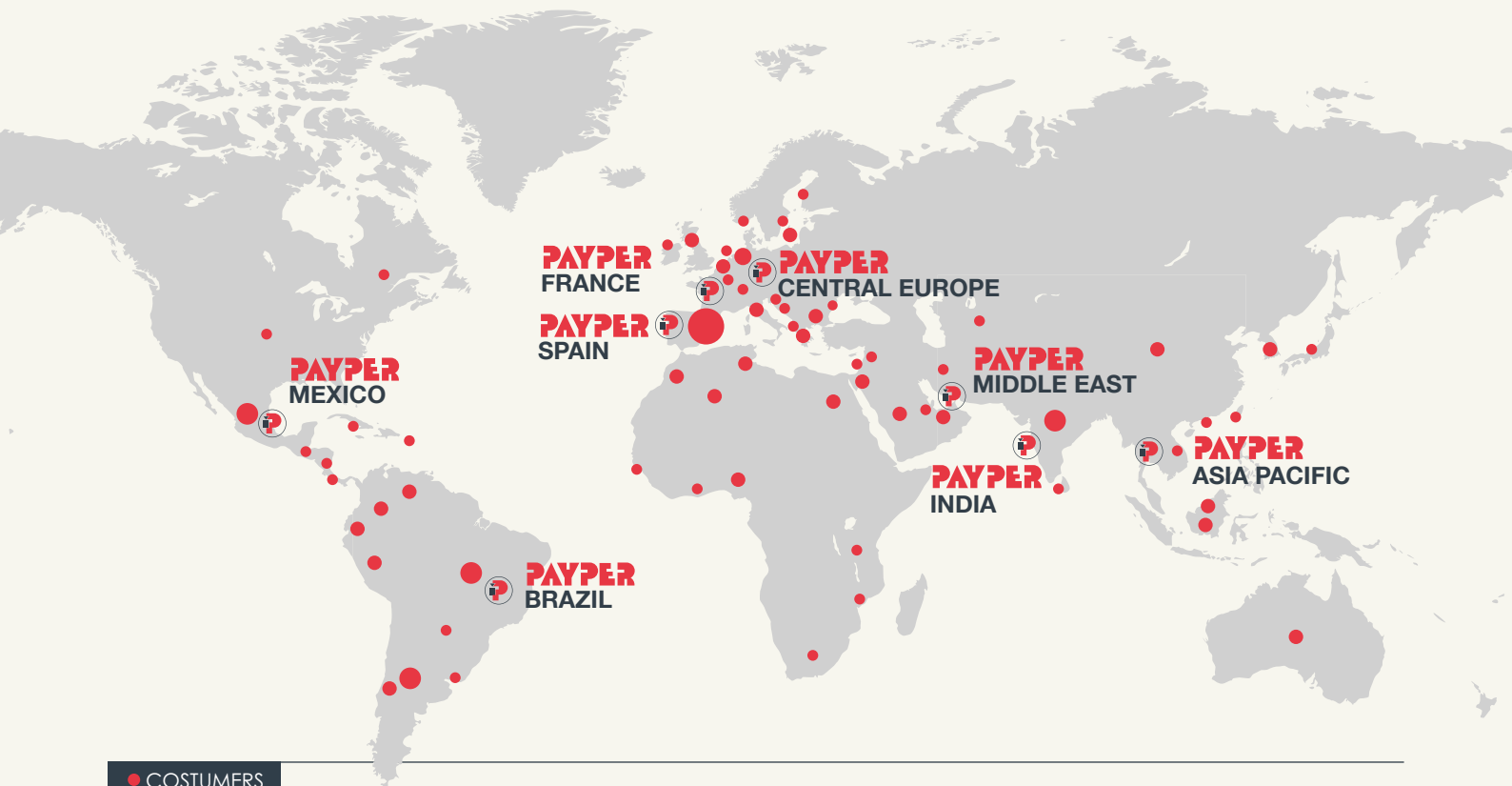
In PAYPER we sincerely believe that long term business relationships are built on mutual confidence. To achieve that, Service plays an essential role.

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PALLETIZING END OF LINE SOLUTIONS



# PAYPER

BAGGING & PALLETIZING SOLUTIONS



● COSTUMERS



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