



bagging & palletizing

**BAGGING  
PALLETIZING  
WRAPPING**



LEADING THE WAY **TOGETHER**

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# COMPLETE LINES, OWN DESIGN AND MANUFACTURING







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COME TO US FOR  
**ADVICE** ON YOUR  
**BAGGING, PALLETIZING  
AND WRAPPING  
PROJECTS**

25  
COUNTRIES



110  
PEOPLE



70%  
EXPORT SALES





# COMPANY

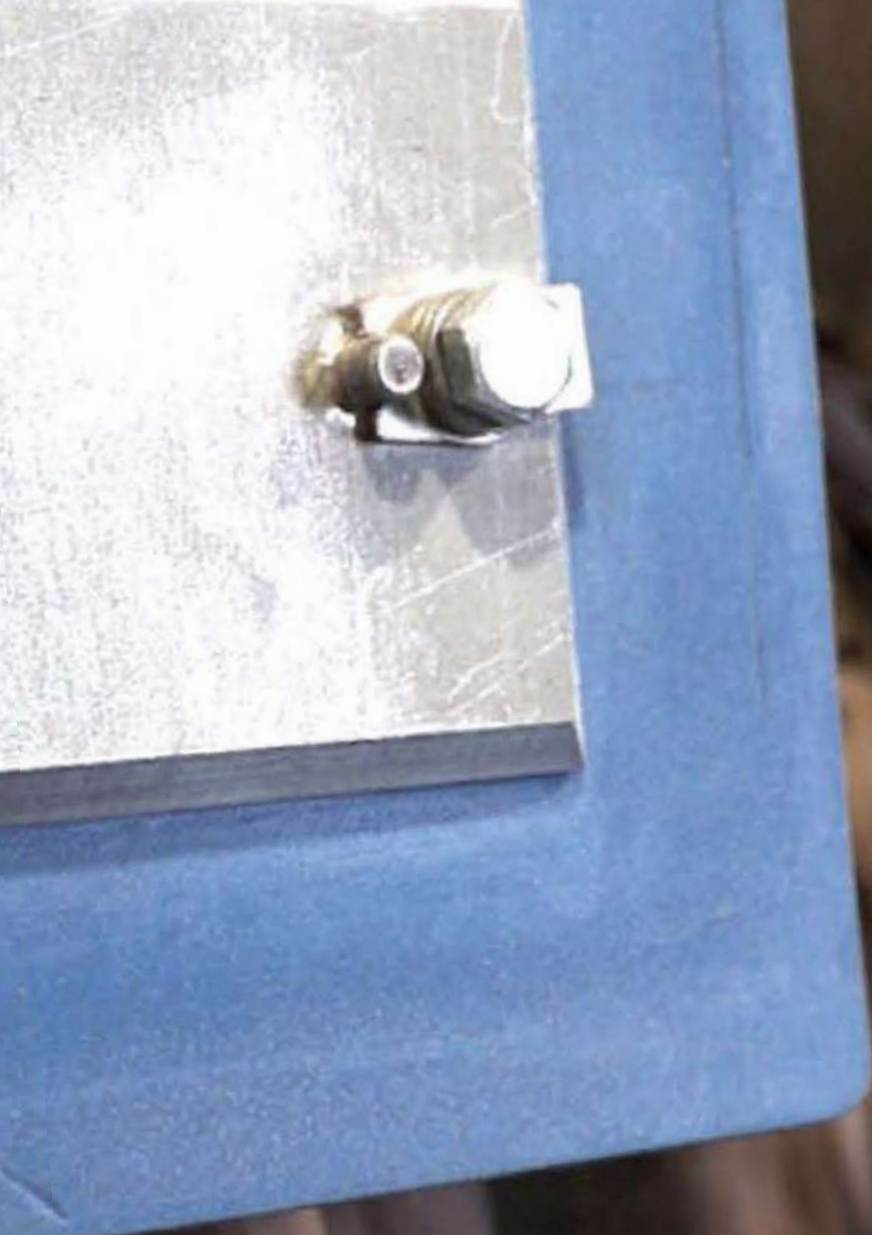
TMI (Técnicas Mecánicas Ilerdenses, S.L.) is a cutting-edge company in the design and manufacturing of bagging, palletizing and wrapping equipment.

Our main goal is all about being your partner, from the design process of your end-of-line installation, until the start up is completed, in order to deliver turnkey projects that perfectly fit your company needs.

## Because excellent client support is part of TMI's DNA....

- We like challenges, and we use our knowledge and engineering skills to undertake complex projects with the maximum guarantee of success.
- We are pioneers and have a strong commitment to innovation, aiming to provide your complete bagging lines with the latest advances in industrial automation.
- We believe in the value of solid relationships and, as your technological partner, we are constantly working towards improving and expanding our technical service network. That way we can offer you the best assistance when you need us.
- Because at TMI we know what commitment means, and we want to be always by your side when it comes to your bagging, palletizing and wrapping equipment.









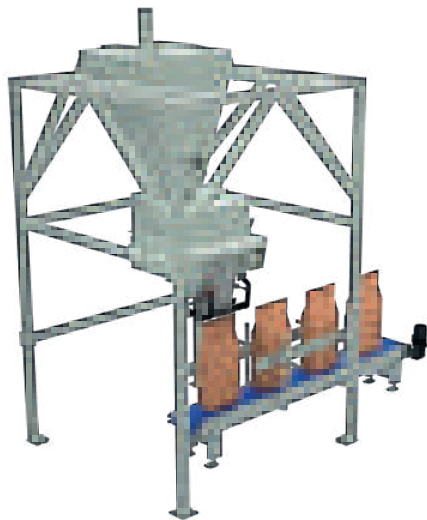
**BAGGING**  
SOLUTIONS

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# BAGGING SOLUTIONS // OPEN MOUTH BAGS

ILERFIL AB



Manual gross weight bagging machine for granulated products

- ✓ Output: Up to 300 bags per hour
- ✓ Type of product: Granules and pellets
- ✓ Type of bags: Open mouth, paper, PP, PE, AL, with or without gussets
- ✓ Level of automation: Semi-automatic
- ✓ Ideal for low output production that requires a quick return on investment

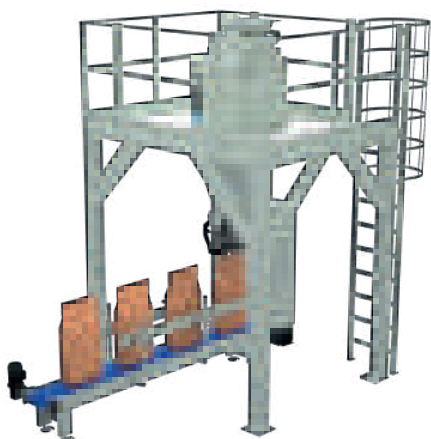
ILERFIL ABS



Manual gross weight bagging machine for powder products with auger doser

- ✓ Output: Up to 240 bags per hour
- ✓ Type of product: Powder
- ✓ Type of bags: Open mouth, paper, PP, PE, AL, with or without gussets
- ✓ Level of automation: Semi-automatic
- ✓ Ideal for small-scale production with powder products

ILERFIL AN



Manual net weight bagging machine for all kinds of products

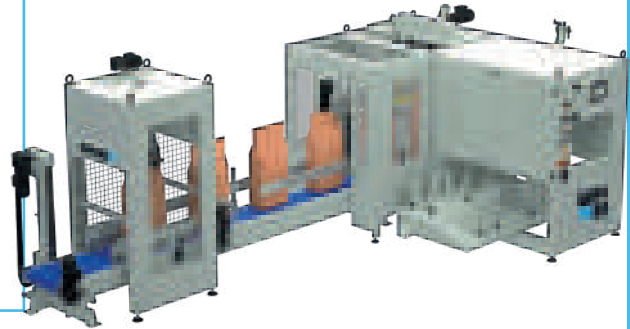
- ✓ Output: Up to 1,200 bags per hour
- ✓ Type of product: Granules and powder
- ✓ Type of bags: Open mouth, paper, PP, PE, AL, with or without gussets
- ✓ Level of automation: Semi-automatic
- ✓ High productivity with minimal investment



# // OPEN MOUTH BAGS

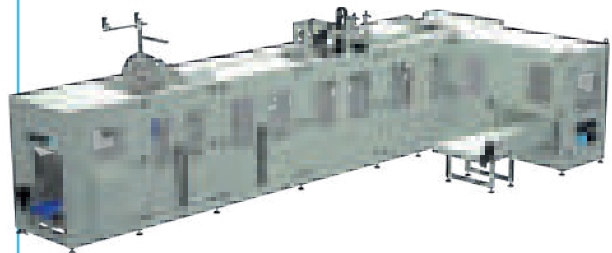
## Automatic bagging machine for open-mouth bags

- ✓ Output: Up to 750 bags per hour
- ✓ Type of product: Granules
- ✓ Type of bags: Paper, PP and PE, with or without gussets
- ✓ Level of automation: Automatic
- ✓ Simple, robust design for a quick return on investment



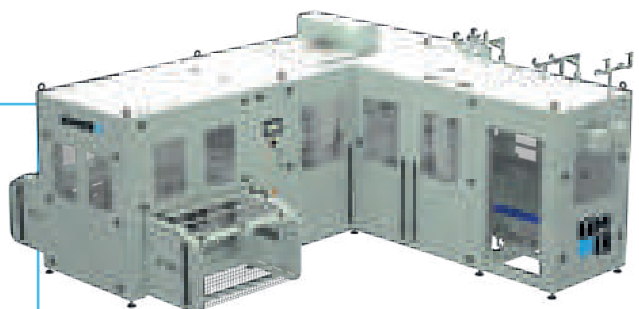
## Automatic bagging machine for open mouth bags, flat or with side gussets

- ✓ Output: Up to 800 bags per hour
- ✓ Type of product: Powder
- ✓ Type of bags: Paper, PP and PE, with or without gussets
- ✓ Level of automation: Automatic
- ✓ High performance in dust-free working environments



## High-speed automatic bagging machine for open mouth bags, flat or with side gussets

- ✓ Output: Up to 1,400 bags per hour
- ✓ Type of product: Granules
- ✓ Type of bags: Paper, PP and PE, with or without gussets
- ✓ Level of automation: Automatic
- ✓ High performance for woven PP bags (WPP) with gussets



ILERSAC A

ILERSAC L

ILERSAC W



## // OPEN MOUTH BAGS

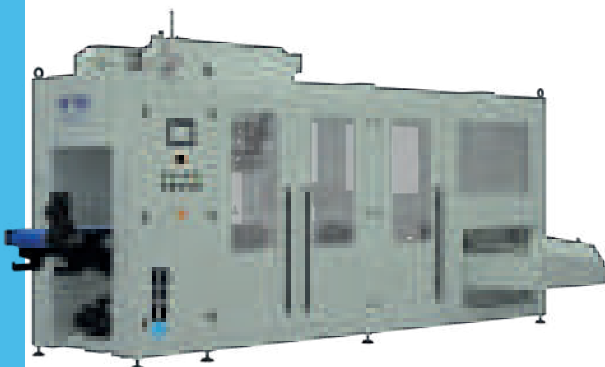
ILERSACS



### Automatic bagging machine for SOS-type bags

- ✓ Output: Up to 1,000 bags per hour
- ✓ Type of product: Granules and powder
- ✓ Type of bags: SOS type with a handle, side gussets and square bottom
- ✓ Level of automation: Automatic
- ✓ Specific solution for the automation of bagging systems with SOS bags from 4 to 10 kg

ILERSACH



### Automatic bagging machine with integrated sealing system for heat sealable bags

- ✓ Output: Up to 1,000 bags per hour
- ✓ Type of product: Granules
- ✓ Type of bags: Open mouth, heat sealable bags, with or without gussets
- ✓ Level of automation: Automatic
- ✓ Compact and high performance



### Manual gross weight bagging machine for granulated products in valve bags

- ✓ Output: Up to 200 bags per hour
- ✓ Type of product: Granules
- ✓ Type of bags: Valve bags
- ✓ Level of automation: Semi-automatic
- ✓ Simple, precise solution for a quick return on investment



### Manual fluidization bagging machine in valve bags for powders or small granules

- ✓ Output: Up to 450 bags per hour
- ✓ Type of product: Powder and small granules
- ✓ Type of bags: Paper valve bags
- ✓ Level of automation: Semi-automatic
- ✓ Ideal for manual bagging with valve bags with a quick return on investment





## // VALVE BAGS

### ILERSAC VBF



Automatic fluidization bagging machine in valve bags for powders or small granules

- ✓ Output: Up to 450 bags per hour
- ✓ Type of product: Powder and small granules
- ✓ Type of bags: Paper valve bags
- ✓ Level of automation: Automatic
- ✓ Minimal maintenance for filling valve bags with powder products

### ILERSAC VBF ROBOSONIC

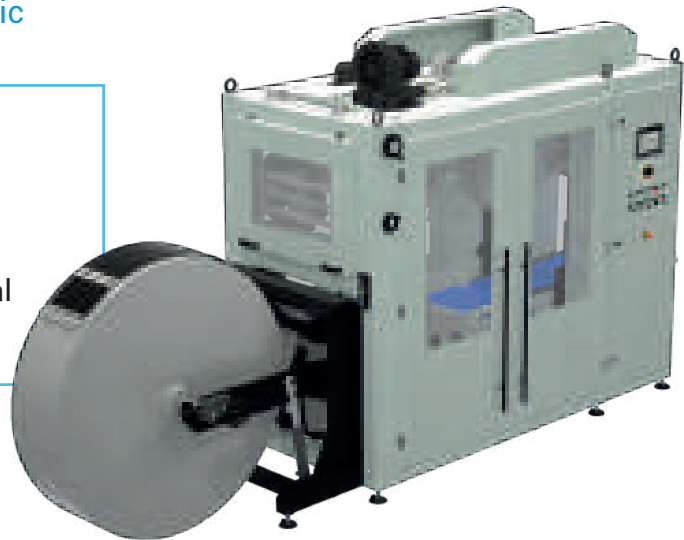


Automatic fluidization bagging & closing machine for valve bags, with enclosure and multiple filling points fed by a single robotic arm

- ✓ Output: Up to 600 bags per hour
- ✓ Type of product: Powder and small granules
- ✓ Type of bags: Paper valve bags, sealable by ultrasonics
- ✓ Level of automation: Automatic
- ✓ Optimizes space while maintaining high performance in valve bagging

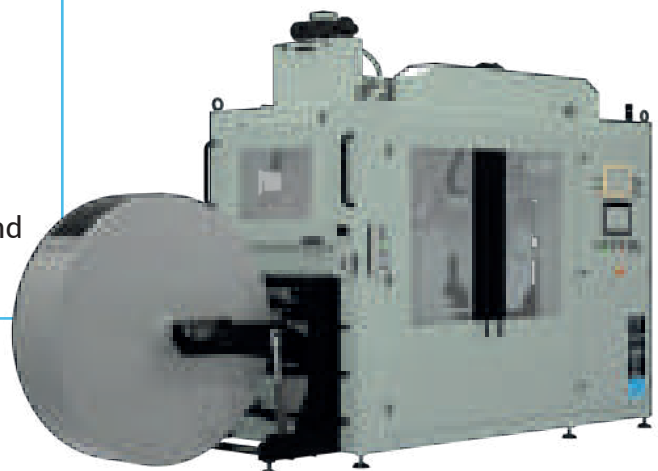
### Horizontal FFS bagging machine for plastic bags from tubular film

- ✓ Output: Up to 1,400 bags per hour
- ✓ Type of product: Granules
- ✓ Level of automation: Automatic
- ✓ Compact, efficient, and with optimal bag finish



### Horizontal high-speed FFS bagging machine for plastic bags from tubular film

- ✓ Output: Up to 2,600 bags per hour
- ✓ Type of product: Granules
- ✓ Level of automation: Automatic
- ✓ Highest performance levels while maintaining optimum filling volume and weighing accuracy





// FFS

## ILERBAG HC



Hygienic horizontal FFS bagging machine for plastic bags from tubular film

- ✓ Output: Up to 500 bags per hour
- ✓ Type of product: Powder
- ✓ Level of automation: Automatic
- ✓ Designed specially for industries that require thorough cleaning and accessibility

## ILERBAG V



Vertical FFS bagging machine from flat film

- ✓ Output: Up to 1200 bags per hour
- ✓ Type of product: Granules and pellets
- ✓ Level of automation: Automatic
- ✓ Highly autonomous with a quick return on investment, thanks to savings in consumables

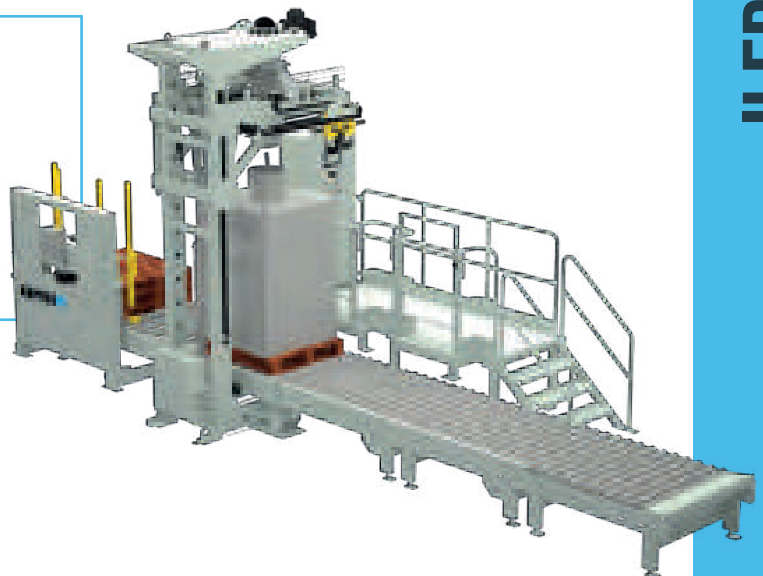
### Simple big bag filling station

- ✓ Output: Up to 10 big bags per hour
- ✓ Type of packaging: Big bags with 4 handles
- ✓ Type of product: Granules and powder
- ✓ Simple big bag filling station for easy-to-handle products that require a quick return on investment

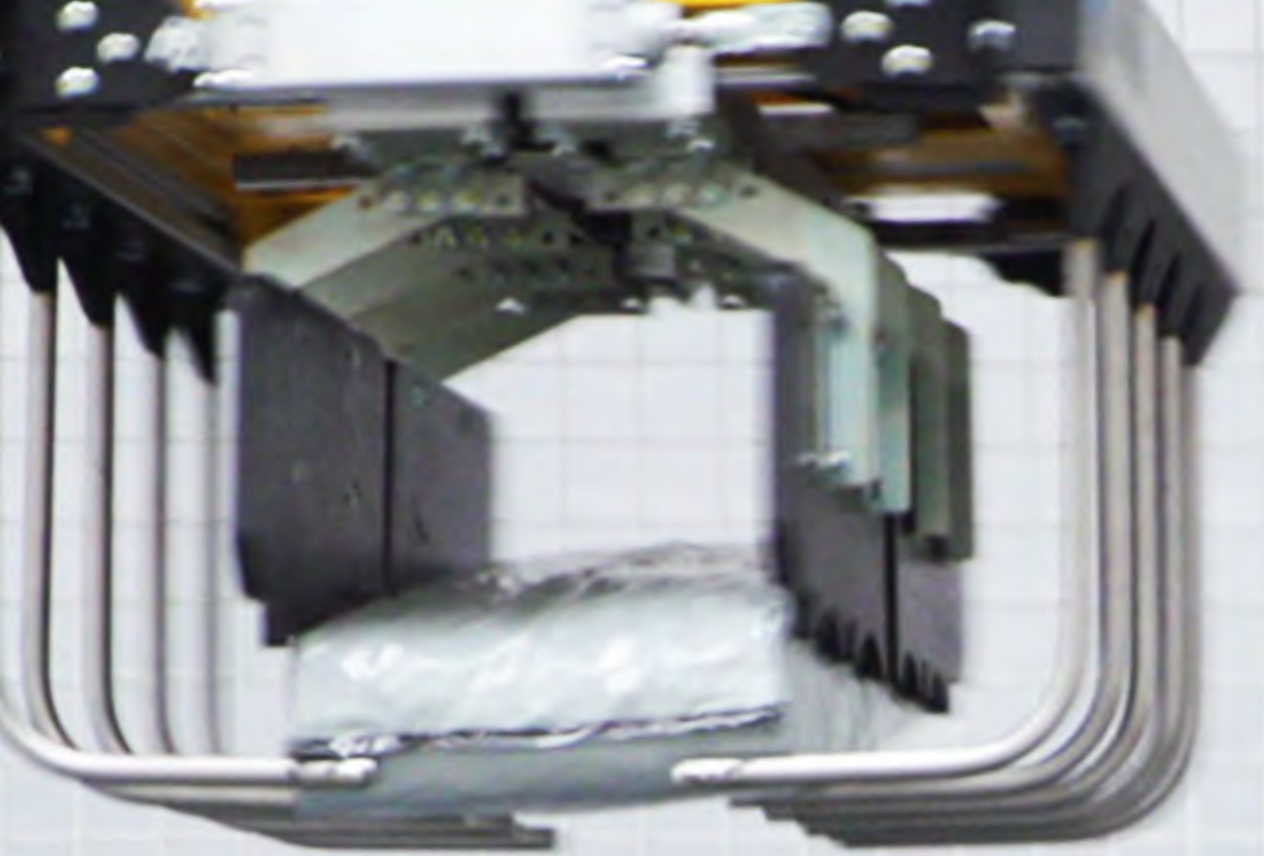


### Ergonomic big bag filling station for all kinds of products

- ✓ Output: Up to 60 big bags per hour
- ✓ Type of packaging: Big bags with 1 and/or 4 handles, Octabins
- ✓ Type of product: Granules and powder
- ✓ High big bag filling performance









A person's hands are shown balancing a stack of smooth, dark, rounded stones on a grassy field. The stones are stacked in a precarious balance, with the top stone being the most prominent. The background is a soft-focus green field. The entire image is overlaid with a semi-transparent teal rectangle that contains the text and quotation marks.

**PALLETIZING  
SOLUTIONS**

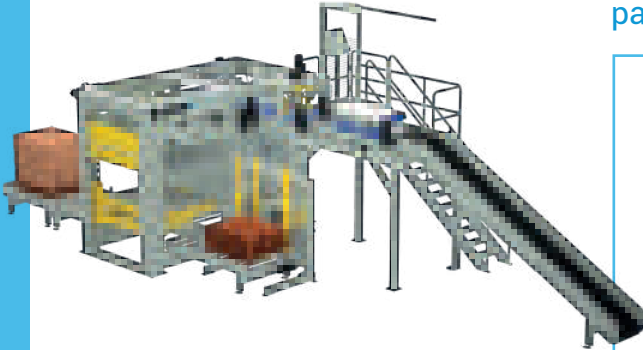
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# PALLETIZING SOLUTIONS

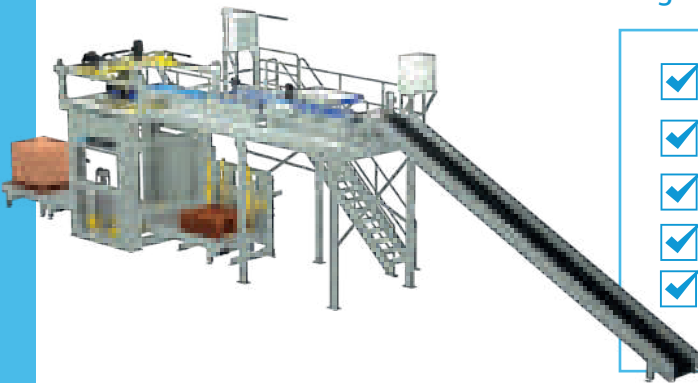
## ILERPAL C



High-level automatic layer palletizer with mobile pallet forming platform

- ✓ Output: Up to 2,800 bags per hour
- ✓ Maximum pallet height: 2700 mm
- ✓ Bag overlap: NO
- ✓ Layer forming: YES
- ✓ Produces highly stable loaded pallets with optimal finishes at high speeds

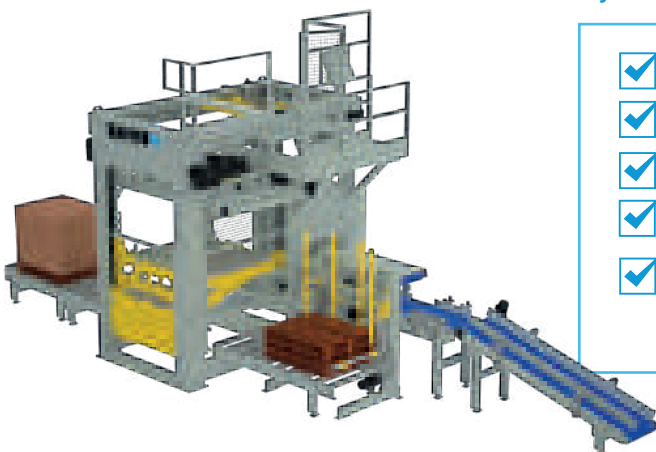
## ILERPAL W



Hybrid high capacity palletizer for open mouth bags

- ✓ Output: Up to 1,500 bags per hour
- ✓ Maximum pallet height: 2700 mm
- ✓ Bag overlap: YES
- ✓ Layer forming: YES
- ✓ High-level palletizing system with robotic gripper that ensures bag overlapping

## ILERPAL H

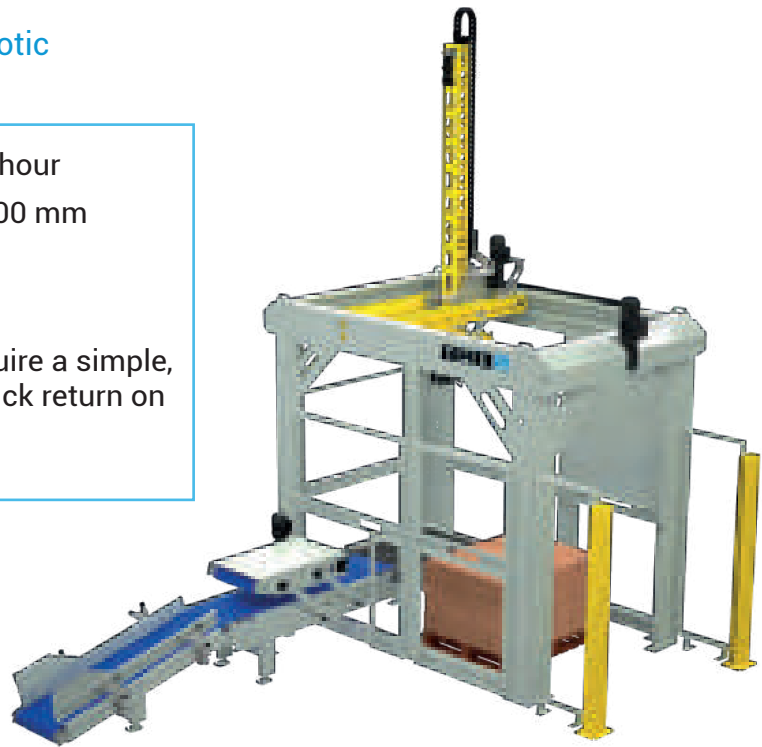


Hybrid layer palletizer for open mouth bags

- ✓ Output: Up to 900 bags per hour
- ✓ Maximum pallet height: 2700 mm
- ✓ Bag overlap: YES
- ✓ Layer forming: YES
- ✓ Small footprint thanks to a vertical bag lift. Ensures bag overlapping

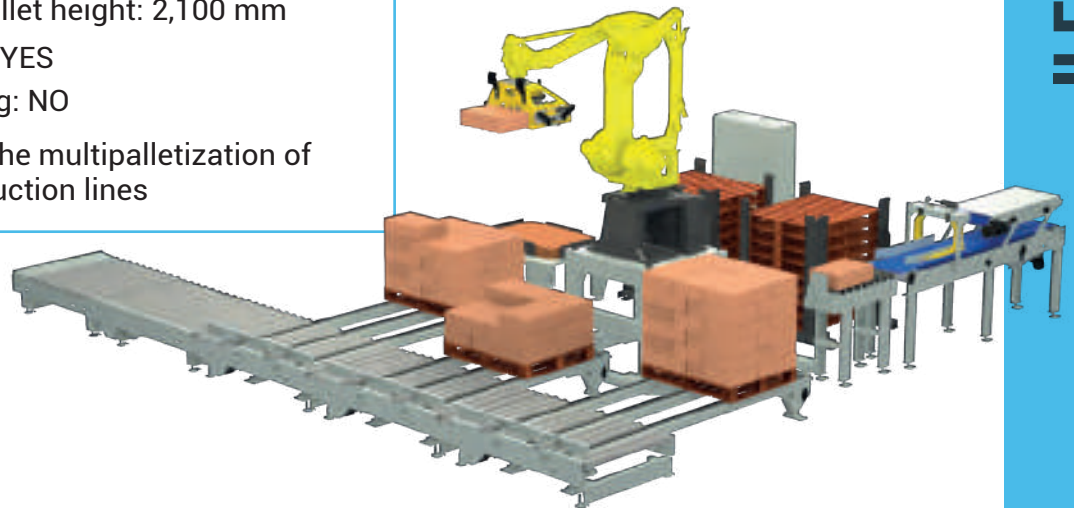
Gantry-type bag palletizer with robotic gripper

- ✓ Output: Up to 420 bags per hour
- ✓ Maximum pallet height: 1,800 mm
- ✓ Bag overlap: YES
- ✓ Layer forming: NO
- ✓ Ideal for industries that require a simple, compact solution with a quick return on investment



Robotic arm-type bag palletizer

- ✓ Output: Up to 800 bags per hour
- ✓ Maximum pallet height: 2,100 mm
- ✓ Bag overlap: YES
- ✓ Layer forming: NO
- ✓ Suitable for the multipalletization of several production lines









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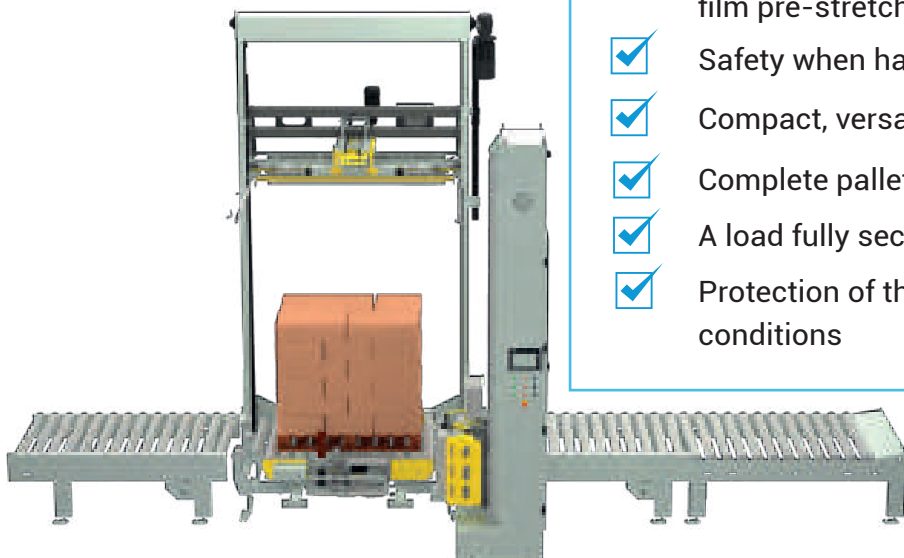
**WRAPPING**  
SOLUTIONS

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# WRAPPING SOLUTIONS

ILERGIR

## Automatic turntable wrapper



- ✓ Output: Up to 30 pallets per hour
- ✓ Savings in consumables, through optimised film pre-stretch
- ✓ Safety when handling the pallet
- ✓ Compact, versatile solution
- ✓ Complete pallet wrapping
- ✓ A load fully secured to the pallet
- ✓ Protection of the load against weather conditions

ILERBOX

## Automatic wrapping system with corrugated cardboard for pallet side protection.

This system complements the ILERGIR wrapper



- ✓ Output: Up to 10 pallets per hour
- ✓ Maximum protection for palletized goods
- ✓ Savings in costs and storage space
- ✓ Ease of use thanks to automation
- ✓ Quick, ergonomic corrugated cardboard roll changing process
- ✓ More free space in the plant



OEE (Overall Equipment Effectiveness) performance measuring and monitoring module

- ✓ Monitors efficiency in real time
- ✓ Offers current data on machine availability
- ✓ Improves equipment's overall performance



This supervisory control and data acquisition system gathers information from the different machines that make up a TMI line and brings it together in a single visual environment

- ✓ Monitors the status of the bagging line
- ✓ Provides reports on the performance of each machine and the entire line
- ✓ Helps to improve equipment's overall effectiveness
- ✓ Shows centralised, real-time data on the efficiency of the line and information on production conformity
- ✓ Flexible configuration that fits each project needs









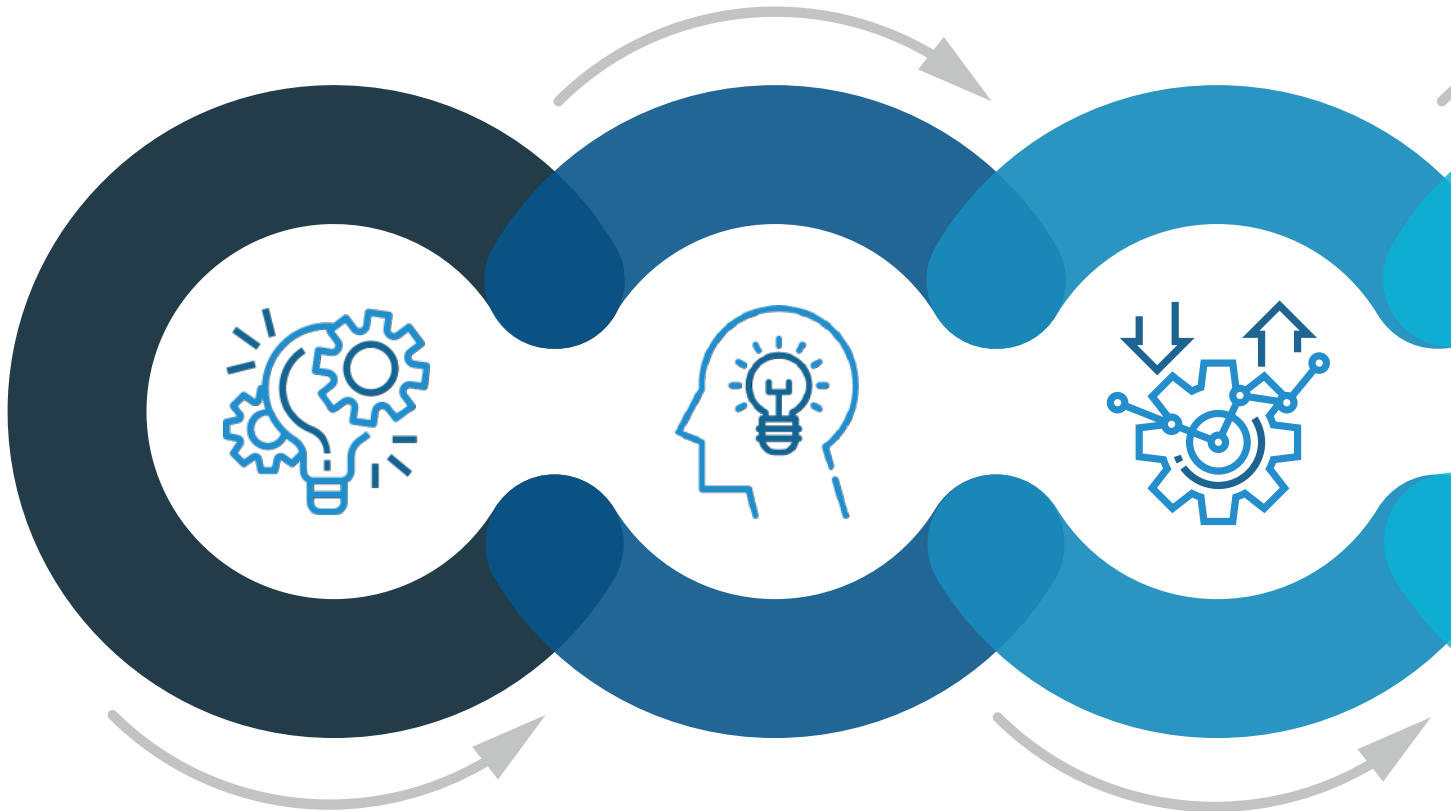


# SERVICES



# WE ARE ALWAYS **BY YOUR SIDE**

*Reach your production goals with our services:  
we advise you according to your needs*



## **PREVENTIVE MAINTENANCE**

We carry out an inspection of the machine points classified as checkable. As a result, performance and service life of the machines are optimized, minimising operating costs and avoiding downtime in the production process.

## **REMOTE ASSISTANCE**

We attend support calls to solve any questions or issues, and, if necessary, we connect remotely via Internet to TMI equipment for immediate diagnosis and correction of incidents.

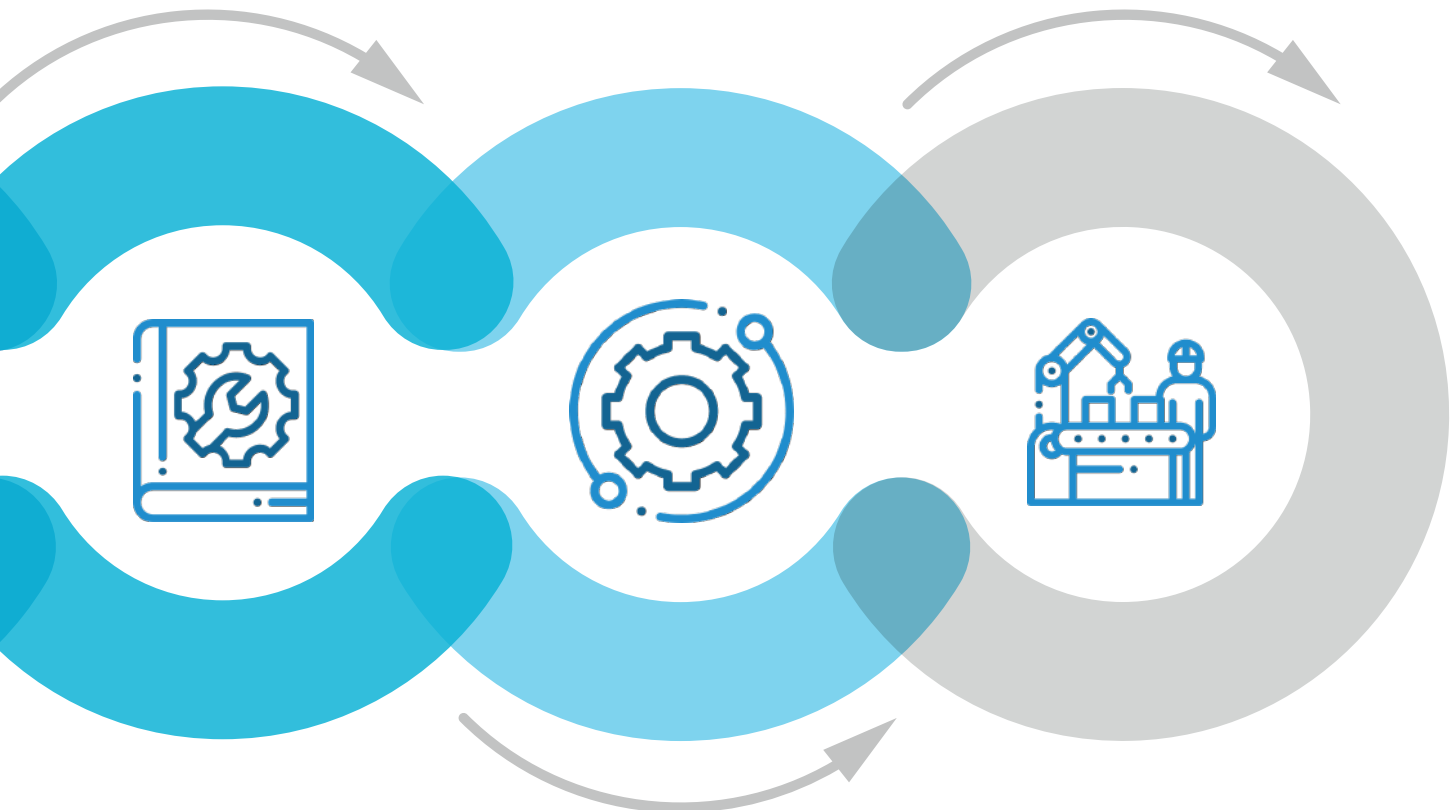
## **EVALUATION AND MONITORING**

We check and verify the good functioning of the equipment, and make sure that it fulfils the expected performance. We also advise the maintenance staff on how to achieve the maximum efficiency of the equipment.

# SERVICES

TMI offers a **range of products and services** conceived to **prevent costs** generated by **unforeseen downtime**.

The **planning of preventive interventions** lets us **improve the performance of your line in the long term**. Our staff, with years of experience in this sector, is prepared to support you efficiently.



## TRAINING

We train your maintenance technicians individually, thus improving effective production ratios and reducing downtime. In this way, they will gain greater confidence in controlling operational situations.

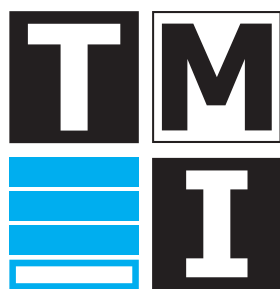
## SPARE PARTS

We prepare detailed lists of critical spare parts and consumables so that you can have them available in case of unforeseen events or emergencies.

## TECHNICAL SUPPORT

Our after-sales technicians will help you solve quickly any doubts or breakdowns that may arise either by phone or at your factory.





bagging & palletizing

# LEADING THE WAY TOGETHER

## TÉCNICAS MECÁNICAS ILERDENSES S. L. (TMI)

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