



bagging & palletizing




BAGGING PALLETIZING WRAPPING

www.tmipal.com

LEADING THE WAY TOGETHER



A man and a woman are seen from the side, looking out over a vast mountain valley. The man is wearing a dark cap, sunglasses, and a dark vest over a grey shirt. The woman is wearing a pink jacket and a pink headband. They are standing on a grassy slope, and the background shows rolling green hills and distant mountains under a clear blue sky.

COMPLETE LINES, OWN DESIGN AND MANUFACTURING

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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.

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

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.

25
COUNTRIES



110
PEOPLE



70%
EXPORT SALES





BAGGING SOLUTIONS

BAGGING SOLUTIONS // OPEN MOUTH BAGS

// OPEN MOUTH BAGS



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



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



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

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



// OPEN MOUTH BAGS



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

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

Hygienic automatic bagging machine.



- ✓ Output: Up to 500 bags per hour
- ✓ Type of product: Powder
- ✓ Type of bags: Heat sealable, with or without gussets
- ✓ Level of automation: Automatic

// VALVE BAGS

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





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



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





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

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



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

Ergonomic big bag filling station for all kinds of products.

- ✓ Output: Up to 35 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





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PALLETIZING SOLUTIONS

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PALLETIZING SOLUTIONS

ILERPAL C



High-level automatic layer palletizer with mobile pallet forming platform.

- ✓ Output: Up to 2,200 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

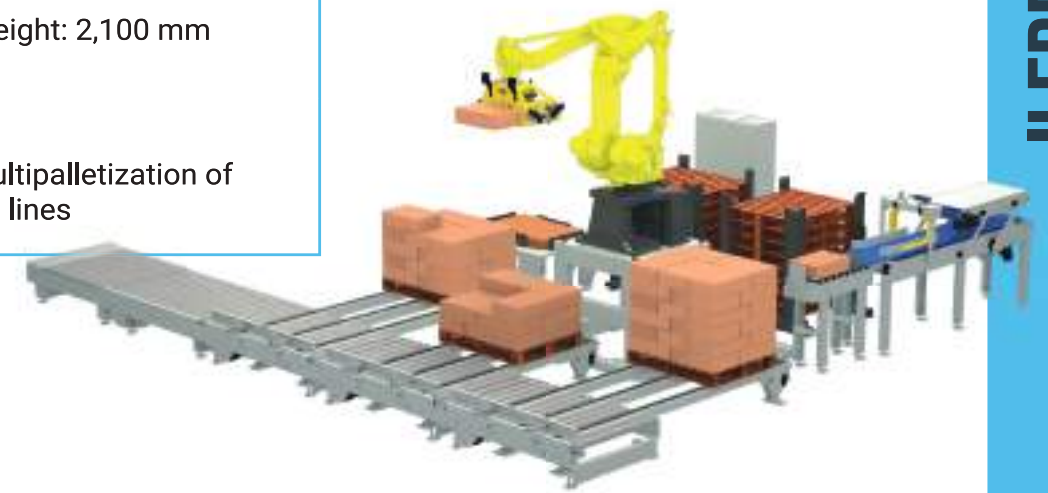
Gantry-type bag palletizer with robotic gripper.

- ✓ 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



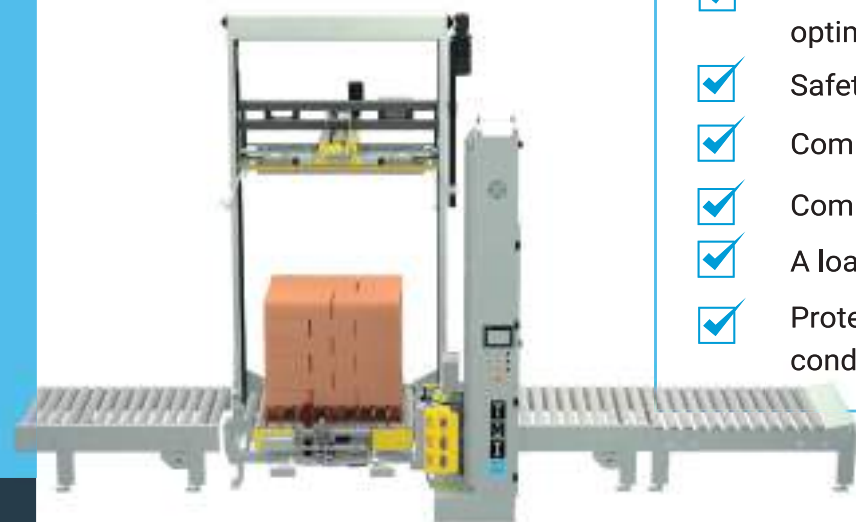
ILERPAL P

ILERPAL R



WRAPPING SOLUTIONS

WRAPPING SOLUTIONS



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



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

PRODUCT QUALITY CONTROL
HYGIENE MINIMUM MAINTENANCE
 WEIGHING ACCURACY
 QUICK AND SIMPLE INSTALLATION
 BAGGING PALLETIZING WRAPING **SECURITY**
VERSATILITY//
//OPTIMIZATION
//FLEXIBILITY





SERVICES

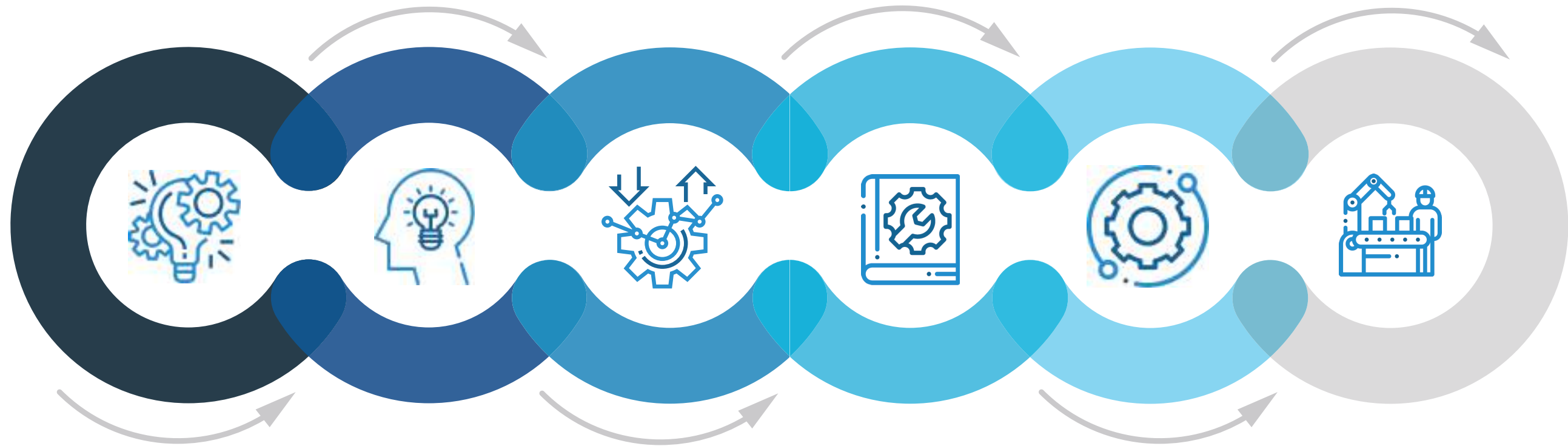
SERVICES

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

WE ARE ALWAYS **BY YOUR SIDE**

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.



MAINTENANCE PRÉVENTIVE

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.

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.



LEADING THE WAY **TOGETHER**

TÉCNICAS MECÁNICAS ILERDENSES S. L. (TMI)

Polígono industrial Camí dels Frares

C/ Alcarràs, parc 66, 25190

Lleida · SPAIN

+34 973 25 70 98



TMI LATAM

Polígono Empresarial Santa Rosa Jauregui

Av, Hércules 301 A Nave 12, 76220

Querétaro · MEXICO

+52 442 291 1670