

## **TMI IS MAKING ITS WAY AS ONE OF THE MAIN SUPPLIERS OF PACKAGING, PALLETIZING AND STRECHWRAPPING LINES**

**The company with subsidiaries in Mexico and the United States, is launching its model of bagger for valve bags with hygienic design; an ideal solution for the food industry**

### **FROM LLEIDA TO THE WORLD: WHAT IS TMI?**

TÉCNICAS MECÁNICAS ILERDENSES, S.L. (TMI) was founded in Lleida (Spain) in the year 2000 by the hand of two expert designers of industrial machinery who contributed to the company with all their technical knowledge accumulated during more than three decades of experience in the sector.

The company started manufacturing machines for palletizing, but in a few years, its business expanded towards the dosing and packaging of products. Currently, the company designs and manufactures complete lines of industrial packaging. The machines can be automatic and semi-automatic, and range from product dosing, bag filling systems, weight controllers, closing systems, palletizing machines and palletized load protection, among others. In addition, the lines incorporate a computer system for the control of traceability, which allows to centralize and monitor data in all devices related to production efficiency.

In 18 years of history, TMI has gone from being a start-up to becoming a medium-sized limited company, with currently 120 employees and a newly opened branch in Mexico. The company closed 2017 with 12 million euros of turnover, thanks to its business model, which allows it to differentiate itself from its competitors through product diversification strategies, in the application sector and in the geographic market. TMI has a distribution network that includes 35 countries. It currently exports more than 70% of its production and its main goal is to consolidate current markets and explore possibilities in new markets.

### **Passion for innovation**

The most important characteristic of TMI is the constant application of innovation in its final products. The company's machines are constantly evolving and incorporating the latest technological advances. Proof of this is that the company dedicates around 8% of its annual turnover to R + D + I, a percentage much higher than the average for the sector.

TMI addresses mainly 5 industrial sectors, very broad and differentiated, with different needs and criteria (agri-food, food, mining and construction, chemical and petrochemical and recycling). For this reason, the company's portfolio has multiplied by 8 in the last decade. These are the main products:

- ✓ Automatic and semi-automatic baggers for open-mouth bags and valves
- ✓ Automatic baggers with flat and tubular coil (VFFS / HFFS)
- ✓ Big-Bags filling systems
- ✓ Dynamic weight checkers
- ✓ High level palletizers by lateral push of the bag and layering
- ✓ Hybrid palletizers with motorized gripper and layering
- ✓ Cartesian gantry type palletizers
- ✓ Palletizing cells by industrial robot
- ✓ Automatic turntable wrapping machines with top film cover and automatic side corrugated cardboard dispenser

## NEW ULTRAHYGIENIC SOLUTION FOR VALVE BAGS

TMI has made an important technological leap with the new version of the ILERSAC V valve bag bagging machine. It is a machine that can incorporate an hygienic finish (according to version and need), ideal for its use in demanding industries such as food or chemistry, since its design pays special attention to essential aspects such as accessibility, cleanliness, precision, safety, absence of dust, and maximum level of automation.

This bagger incorporates ultrasounds for the closing of the bags and a placing station using an industrial robot inside a closed chassis.

The main advantages for the user of the new ILERSAC V are:

- Use of an industrial robot to ensure maximum speed and precision in the placement of the bags in the filling nozzles.
- Sealing valves with ultrasound
- Minimum space occupied since a single empty bag store and a single bag collection point allow the baggers to be joined together, facilitating the supply of product in hoppers.
- Fully integrated compact chassis including baggers and placing robot, tapes, generators and vacuum pumps. The dust is easily controlled and captured. Large doors facilitate access for cleaning and maintenance. It can incorporate lower systems for product remains collecting and re-shipping to hoppers (closed circuit).
- High autonomy of bagging in a single warehouse of empty bags
- Ease and speed in transportation, handling and installation of the unit.
- Configurations of 1, 2 and up to 3 bagging machines served by a single placement robot
- ATEX versions and stainless treatments at request.

