

GUIDE TO THE SYSTEM

## TECNO LIFT



THE WINNING TECHNOLOGIES®



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## CHOOSE EXCELLENCE TO MAKE THE DIFFERENCE

A constant focus on the future

SACMA GROUP is the ideal technology partner for the development and manufacturing of headers, thread rollers, CNC machines for post-heading and tapping operations, right through to loading and handling systems.

Customised, high-tech solutions to redefine the canons of excellence in the world of fasteners.

All the companies of the group are linked by a common philosophy and processes that allow each component to be designed and manufactured in-house. A choice that makes the difference.

### THE **WINNING TECHNOLOGIES**®

- FORMING / HEADING
- ROLLING / THREADING
- TAPPING / MACHINING
- LOADING / MOVING



• **5** Production Sites

• **24** Sales Agencies

• **5** Sales & Technical Service Centers

Welcome to the SACMA world  
so much more than just numerous dots on a map.

Our company is an international strategic network with technical centers in the USA, China, Taiwan, and Brazil, and a growing sales network across 18 countries. We have a strong presence in key European markets as well as in regions such as Canada, Argentina, Japan, India, Iran, and South Korea. Because truly being there means being reliable, not just visible.

**SACMA**  
GROUP

**SACMA** 1939

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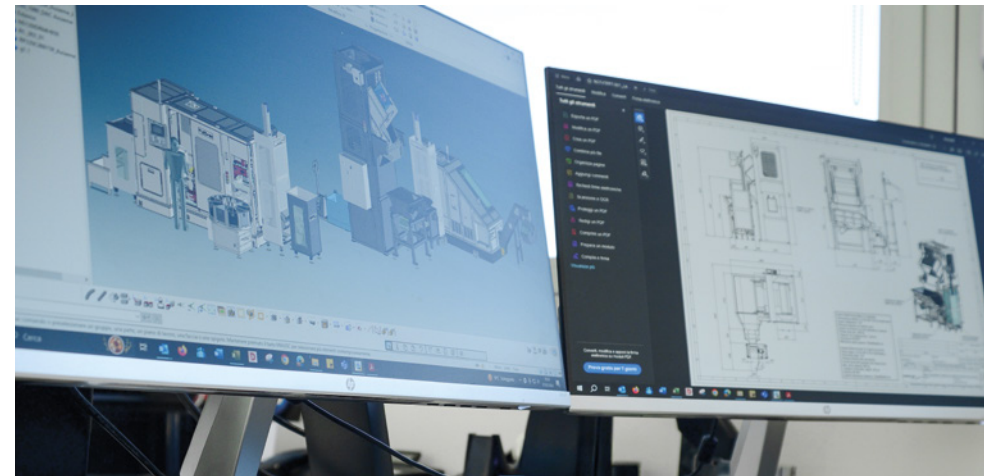
**TECNO LIFT**

FORMING / HEADING  
ROLLING / THREADING  
TAPPING / MACHINING  
LOADING / MOVING

TECNO LIFT designs and manufactures all ancillaries for SACMA Group machines, including those for loading, feeding, and conveying parts. Founded in 2018, the company initially supplied devices for SACMA headers and Ingramatic threaders. Over time, increasing market demand led TECNO LIFT to offer solutions to all machinery manufacturers in the fastener industry, as well as directly to fastener producers. Today, TECNO LIFT is a benchmark in its sector.

## TECHNICAL DEPARTMENT

Our engineers can design any feeding or evacuation system for every type of machine. Every unit, sub-assembly and piece is designed with our 3D CAD to ensure perfect assembly and optimal installation at the customer's premises. This work method in turn means smoother management of both spare parts and assistance services.



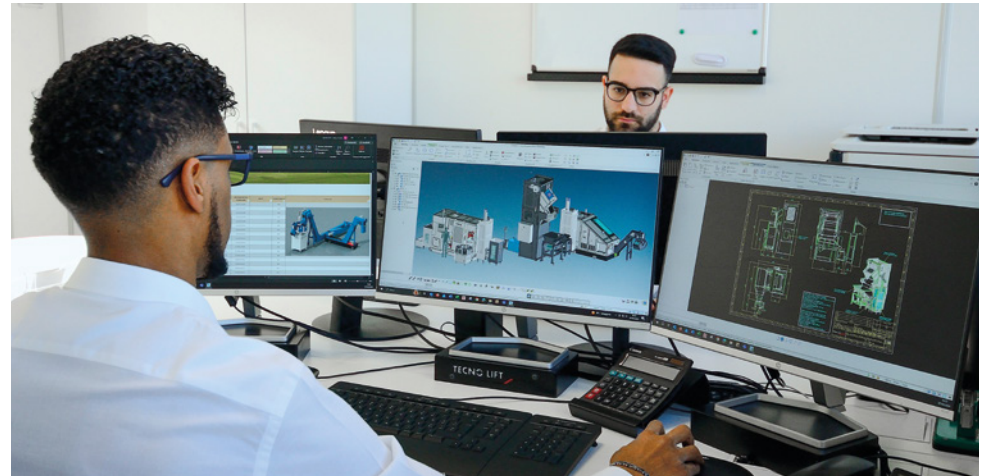
## QUALITY

For TECNO LIFT, testing is the crowning achievement of a cycle: in fact the most rigorous quality evaluation parameters are applied to every single mechanical and electrical assembly phase, to ensure the perfect end result.



## CO-ENGINEERING

Highly skilled personnel - the vital core of the company - develop and design using the latest technologies and the most advanced 3D design programs, creating components and personalised machines to suit the specific requests of the customer. It's from here, in synergy with the Production Department, that the great daily challenges of the company begin. Our design flexibility allows for continuous improvement in terms of customer satisfaction.



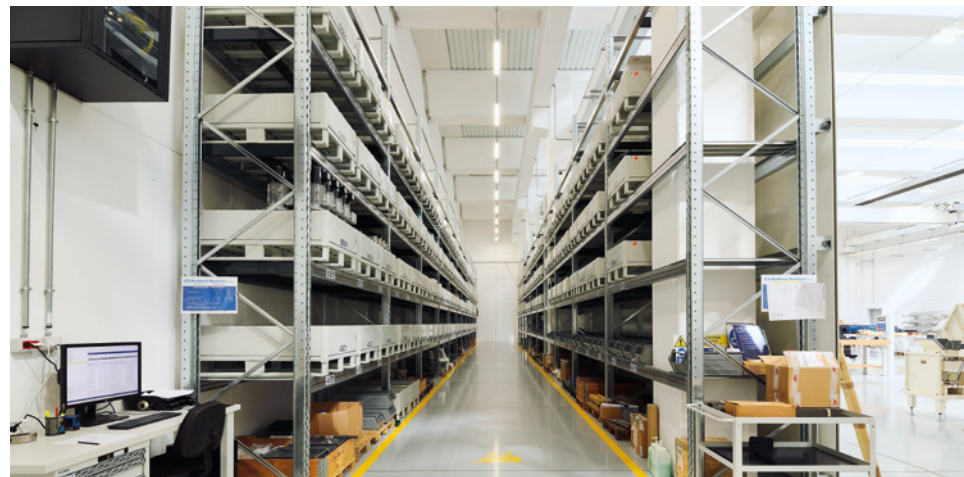
## ASSEMBLY DIVISION

From the design of the single pieces, the machine takes shape via assembly procedures standardised by means of an excellent quality process. TECNO LIFT has optimised its techniques for the pre-assembly of sub-units and the entire assembly of the machines according to their type and size.



## WAREHOUSE STORAGE AND LOGISTIC

We have a high-level storage warehouse that is our great strength and attracts constant investment, as demonstrated by innovative infrastructure such as our new plant.



## VERTICAL ELEVATORS

### VERTICAL ELEVATORS WITH VIBRATING HOPPER

The Vertical Elevators Feeding System are designed for heavy-duty applications, handling screws, bolts, and special parts of various lengths, as well as for thread rolling machines with high loading heights. The system, produced by TECNO LIFT, consists of several key components that work together to ensure smooth and efficient part feeding: Vibration Loading Hopper, Controlled Speed Vertical Lifting Device, Counter-Rotating Rollers and Linear Vibrator guides.

The vertical elevator feeding system is ideal for environments requiring the handling of heavy-duty components or those with varying dimensions, ensuring both reliability and efficiency in part feeding operations.

### MONOBLOCK VERTICAL ELEVATORS



VERTICAL ELEVATORS  
WITH VIBRATING HOPPER



MONOBLOCK  
VERTICAL ELEVATORS



VIBRATING  
HOPPERS

## VIBRATING HOPPERS

Vibrating Hoppers are designed to load blanks, washers, or similar parts into feed units or conveyors, ensuring smooth, controlled feeding without damage. The system features progressive dosing, vibration control, customizable dimensions, and a sturdy support structure. It offers smooth feeding, damage prevention, and versatility for various applications.

## PORTER UNITS

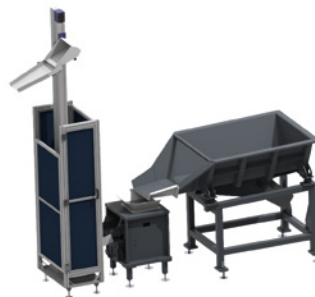
The Porter automates the loading of blanks up to 140 mm length and/or washers onto vibratory feeders. It features a loading hopper, lifting system, and mobile tank. A key benefit is transporting workpieces without contact with moving parts, preventing jamming. The system's logic monitors workpiece levels and alerts the operator or the HMI when the hopper is low.



PORTER  
UNITS

## PORTER UNITS WITH WEIGHING DEVICES

The Porter with weighing device automates loading blanks (up to 180 mm in length) and/or washers onto vibratory feeders. It includes a vibrating hopper, a weighing station to control part quantity, a lifting system, and a mobile tank. The system transports longer workpieces without contact with moving parts, preventing jamming. Its logic monitors workpiece levels and alerts the operator or HMI when the hopper is low.



PORTER UNITS  
WITH WEIGHING DEVICES

## BELT CONVEYORS

Belt conveyors are designed to safely discharge parts from machines, ensuring efficient evacuation from the working area. The system features a heavy-duty, well-designed structure for durability and application-specific belts. A wide range of belts is available, tailored to the shape of the parts being transported. Built to the highest standards, the conveyors ensure long-lasting performance and high productivity.



BELT CONVEYORS

## BELT FEEDERS

Belt feeders are designed to load headed workpieces into a vibrating hopper or other systems, ensuring a constant and precise flow of parts. The system features a hopper with a belt conveyor that orients the workpieces towards the machine's main feeding system. Built to the highest standards, the units ensure durability and high productivity.



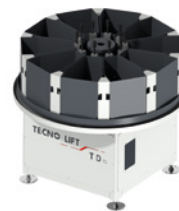
BELT  
FEEDERS

## BATCHERS

### CIRCULAR BATCHERS

The circular batching unit is essential for total quality production. It allows the operator to perform statistical checks on the quality of small and medium-sized workpieces at defined intervals, preventing batch contamination and minimizing waste. Additionally, it enables large production batches to be divided into smaller sub-batches, ensuring immediate detection of any non-conformities.

### LINEAR BATCHERS



CIRCULAR  
BATCHERS



LINEAR  
BATCHERS

## BIN TILTING ELEVATORS

The bin tilting elevator is designed for heavy-duty use, with a robust structure that ensures the safe elevation and rotation of bins to significant heights for soft and efficient workpiece discharge. Its modern and safe design accommodates various bin sizes. The kinematics include a soft landing system for product-friendly handling. TECNO LIFT can customize the bin tilting elevator to meet specific discharge heights and bin dimensions upon request.



**BIN TILTING  
ELEVATORS**

## CENTRIFUGES

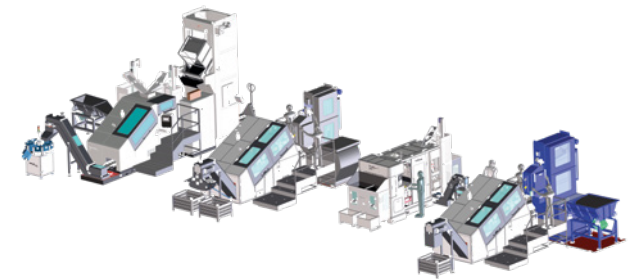
The centrifuge is a crucial device for de-oiling parts after forming, rolling, or machining. It can function as a standalone unit or be installed between machines to ensure the cleanliness of parts for optimal feeding. Designed to recycle oil, emulsions, and cooling lubricants, it minimizes waste and contributes to a cleaner factory by transporting clean parts.



**CENTRIFUGES**

## CUSTOMIZED SOLUTIONS

TECNO LIFT specializes in the design of advanced systems for the handling of components in any industrial sector. Our technical department develops complete turnkey solutions, designed to connect and integrate any machine or production process, ensuring efficiency, continuity, and maximum reliability. Rely on us to transform your production line into an intelligent, smooth, and fully customized system.



**CUSTOMIZED  
SOLUTIONS**



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