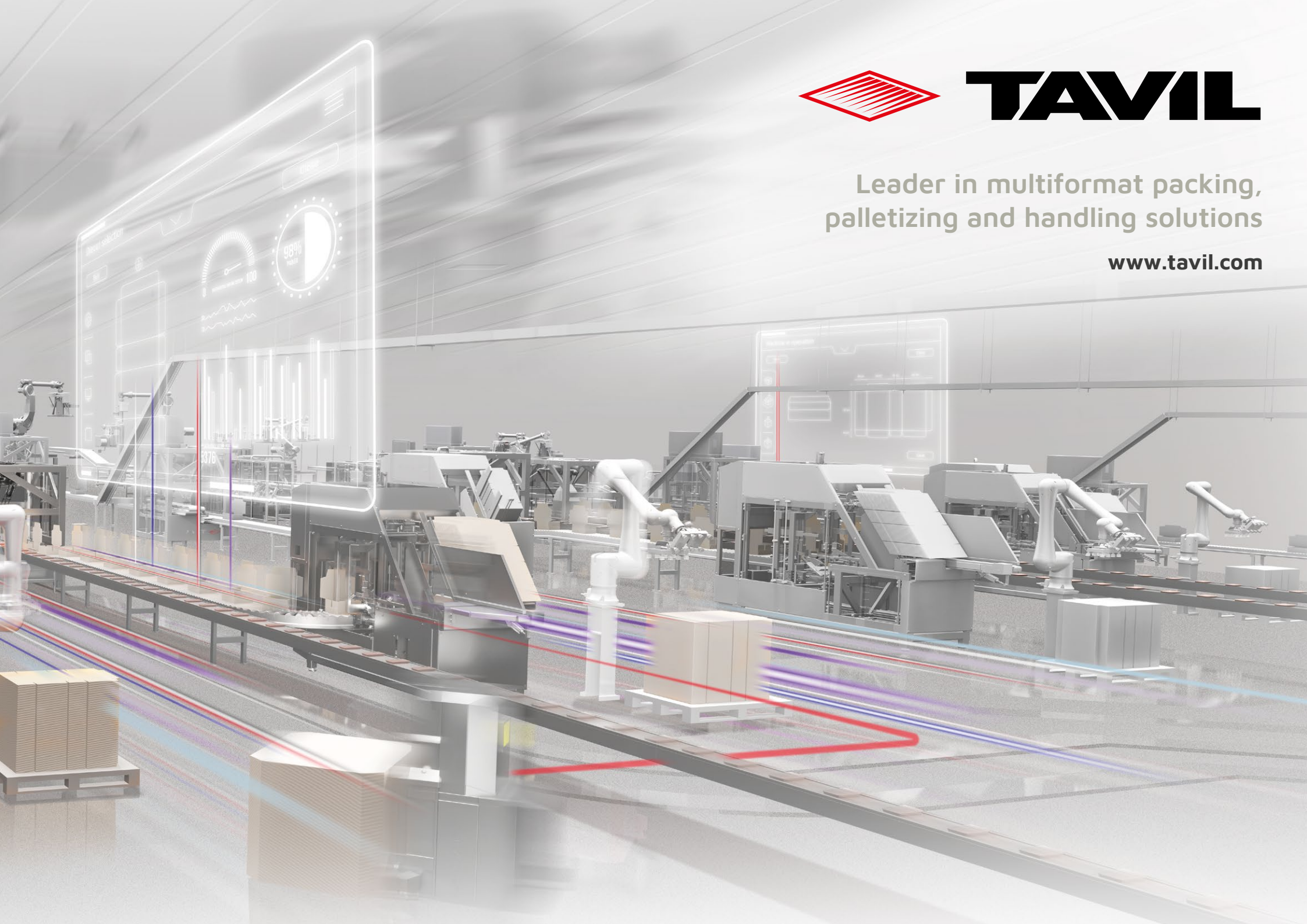




TAVIL

Leader in multiformat packing,
palletizing and handling solutions

www.tavil.com



Our Company

A Leading Company in constant evolution

The origins of Tavid, located in northeastern Spain, date back to the year 1925. Tavid, with a headquarter production plant of 170,000 m² and multiples subsidiaries around the world, specializes in the construction of packing, palletizing and handling machines and lines. Tavid designs, develops, and produces customized turnkey solutions worldwide.

Video



TAVIL 2
30.000 m²

TAVIL 1
140.000 m²

TAVIL USA



TAVIL GERMANY



TAVIL ITALY



TAVIL POLAND



Tavid Headquarters

TAVIL know-how

World-class manufacturer

As a technological leader, TAVIL offers the best guarantees to improve our customer's production processes by reducing costs and increasing productivity. TAVIL's technology is based on multiformat systems with automatic changeovers that can be rapidly adapted to meet the ever-continuing market changes of packaging requirements.

From standardization to customization

TAVIL combines standardization and customization by merging serial production with lean manufacturing. The company has the capability to design prototypes and execute large-scale projects. TAVIL fully assembles and tests installations before delivery. TAVIL also ensures smooth integration by providing commissioning and training on-site, according to the customer's production schedule.



TAVIL values

Powerful engineering team

Driven by a strong engineering team, TAVIL is committed to continuous innovation. By leveraging the latest technologies, the company delivers advanced packaging solutions that enhance efficiency, sustainability, guaranteeing maximum performance for its customers.

Turn Key projects



Turnkey partner

We work side by side with our clients from the earliest project stages, understanding their processes, needs, and real objectives.



Commitment to excellence

Every project is unique and requires a tailored solution. We approach each challenge with the highest standards, meeting specific technical requirements and delivering solutions that go beyond conventional expectations.



Continuous innovation

We see innovation as a tool to provide robust, reliable, and sustainable solutions. That's why we continuously invest in research and technological development to enhance our machines and industrial solutions.



Multiformat technology as a sign of identity for generations

One installation, multiple formats

The instantaneous automatic changeover makes all the machines at the end of line ready to work in less than 4 seconds, for different box designs and /or sizes.

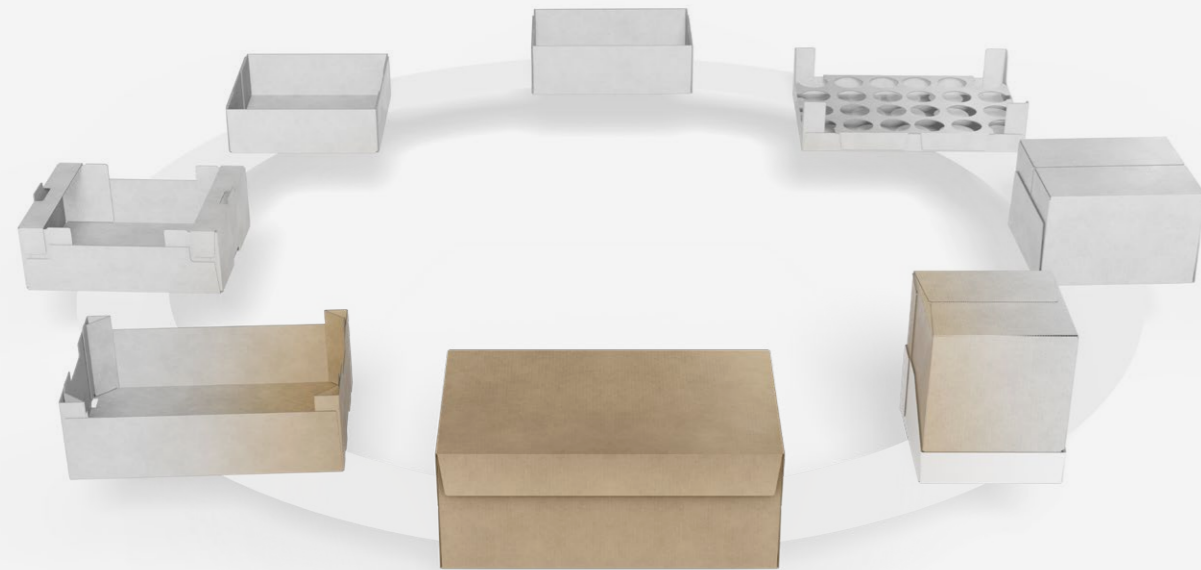
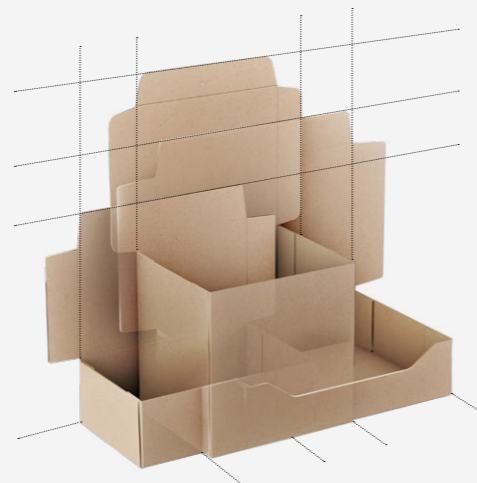


Automatic changeover benefits

- ▶ Productivity and efficiency gains.
- ▶ Versatile box designs.
- ▶ Flexibility to adapt to marketing demands.
- ▶ Future cost savings.

Versatility

TAVIL systems are designed to handle a wide range of packaging solutions, comprising pack master boxes, shelf-ready packaging, bases and lids, easy straps, trays, twin boxes, mix boxes, high-resistance transport boxes, among others.



Automatic changeover
Ready to work in less than 4 seconds

Packaging technology, across multiple sectors: Food · Pharma · Coating · Others

TAVIL's packaging team works closely with customers and cardboard suppliers on every project to define the optimal box solution, tailored to the specific requirements of each application.

100% adaptable to all formats and materials

TAVIL solutions are designed to handle a wide variety of packaging types, such as thermoformed packages, flowpacks, sealed trays, bags and pouches, sachets, cartons, cans, pots and jars.



Food



Coating



Pharma



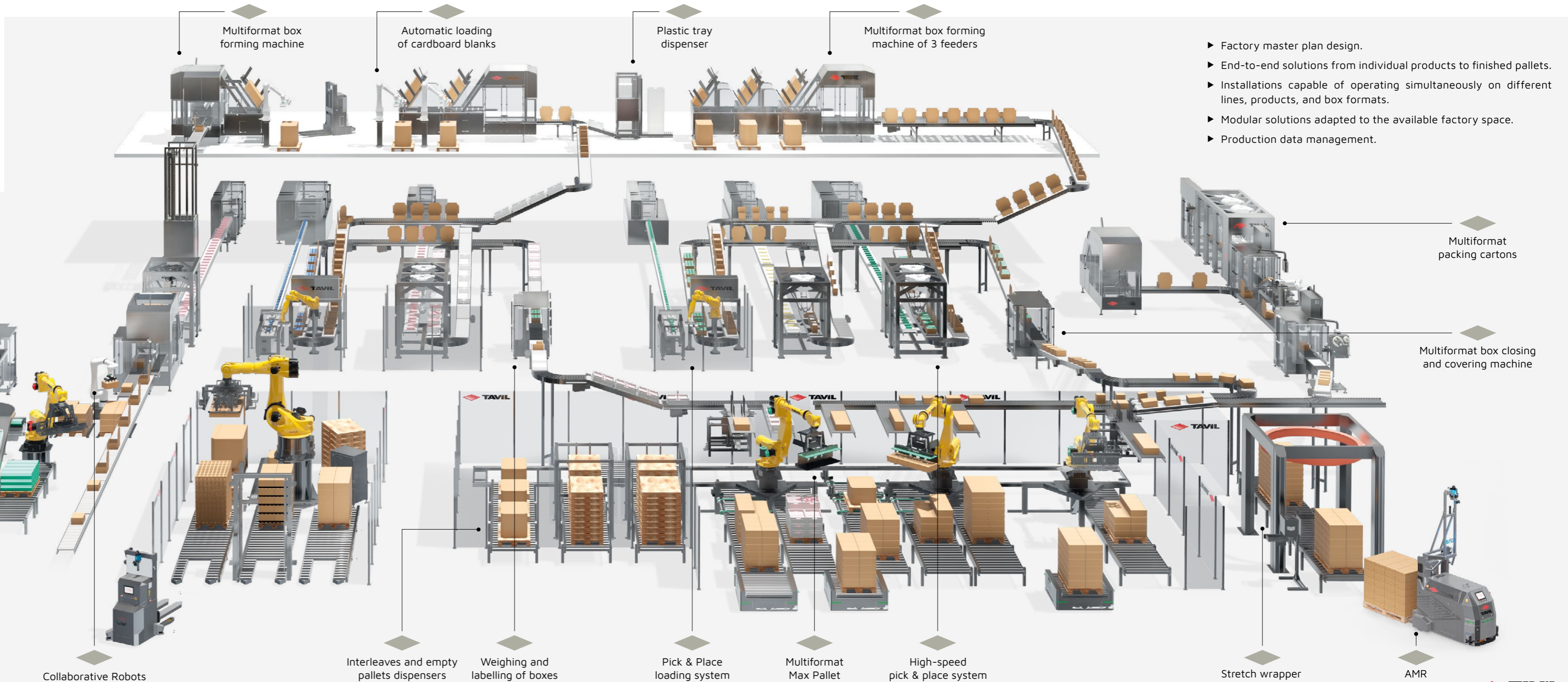
Others

TAVIL offers an experience that goes beyond the sum of its processes



Complete multiformat end-of-line project

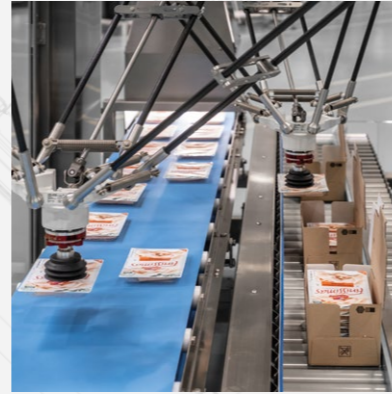
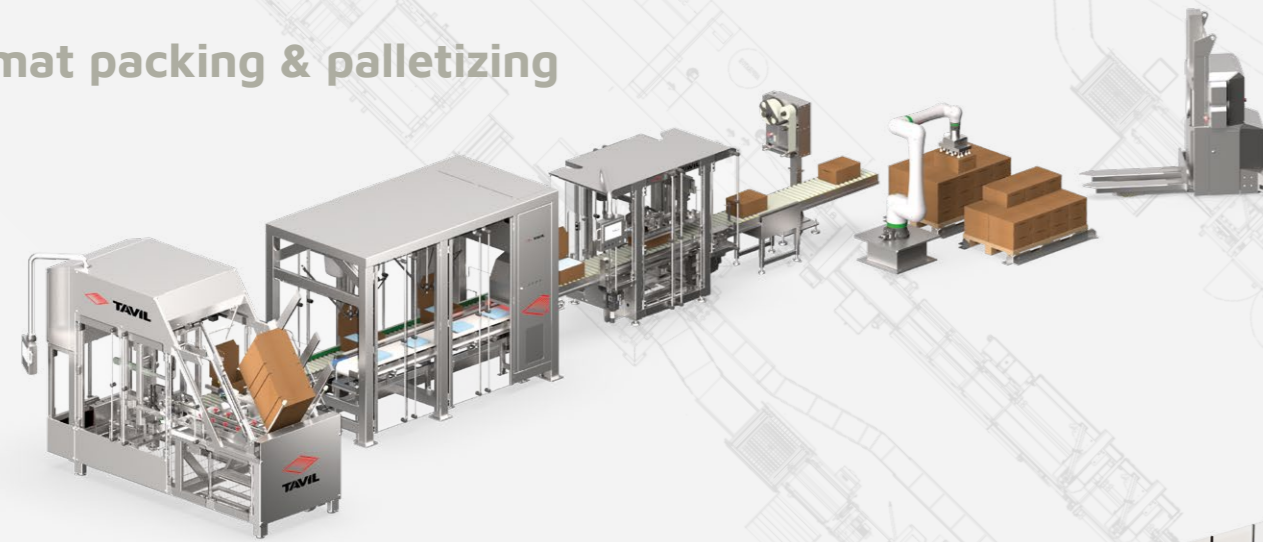
Comprehensive project planning and continuous follow-up, supported by close customer communication, enable TAVIL to meet commitments and tailor each solution from the initial study phase through to SAT.



- ▶ Factory master plan design.
- ▶ End-to-end solutions from individual products to finished pallets.
- ▶ Installations capable of operating simultaneously on different lines, products, and box formats.
- ▶ Modular solutions adapted to the available factory space.
- ▶ Production data management.

Our solutions

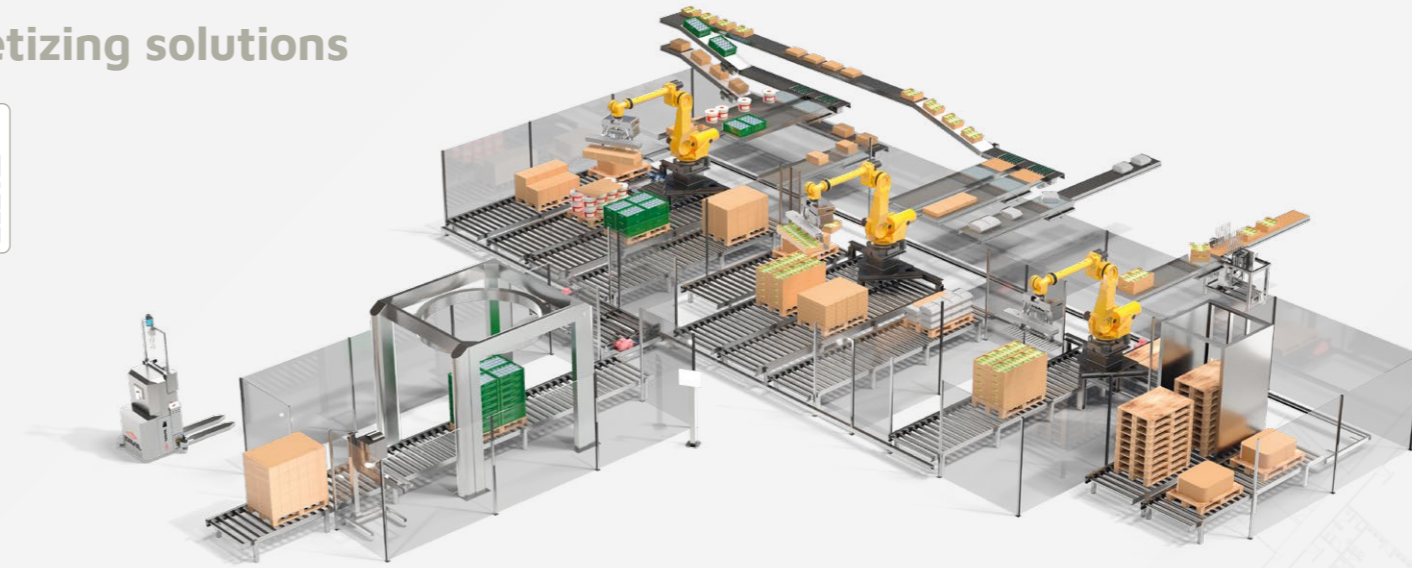
Multiformat packing & palletizing



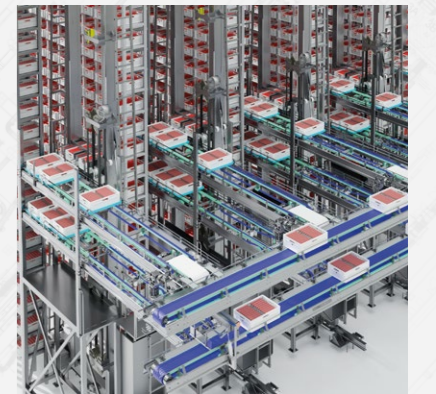
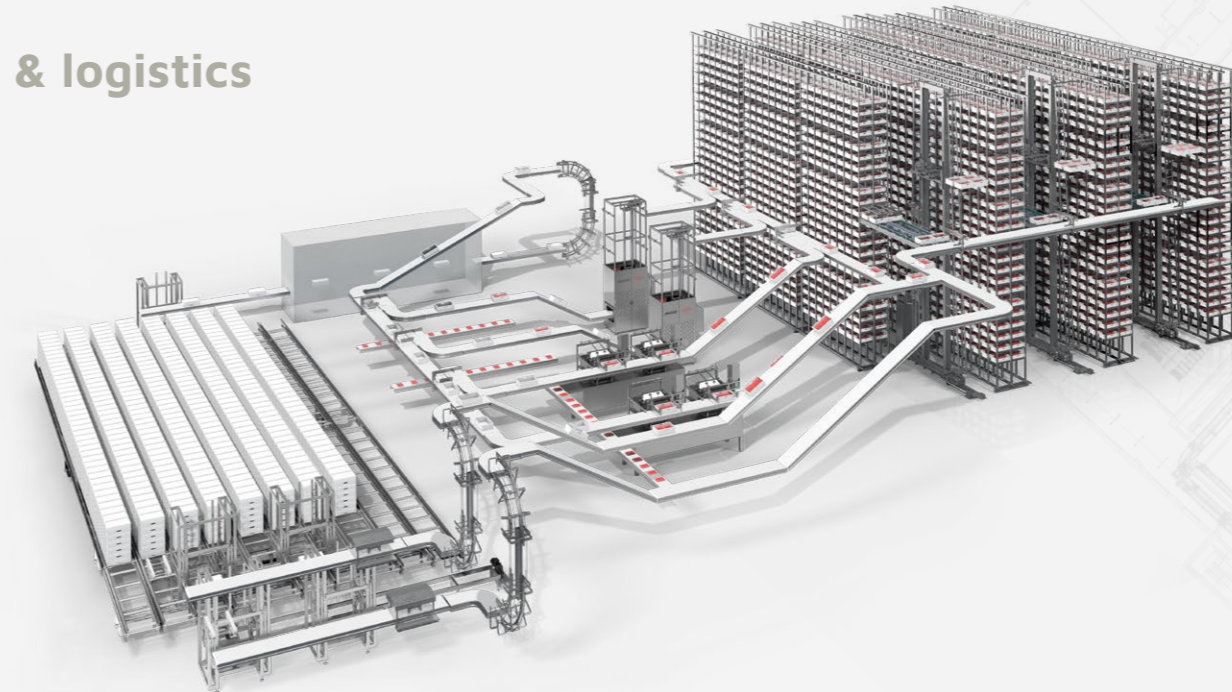
Multiformat packing & palletizing multiline



Palletizing solutions



Handling & logistics



Multiformat box forming solutions

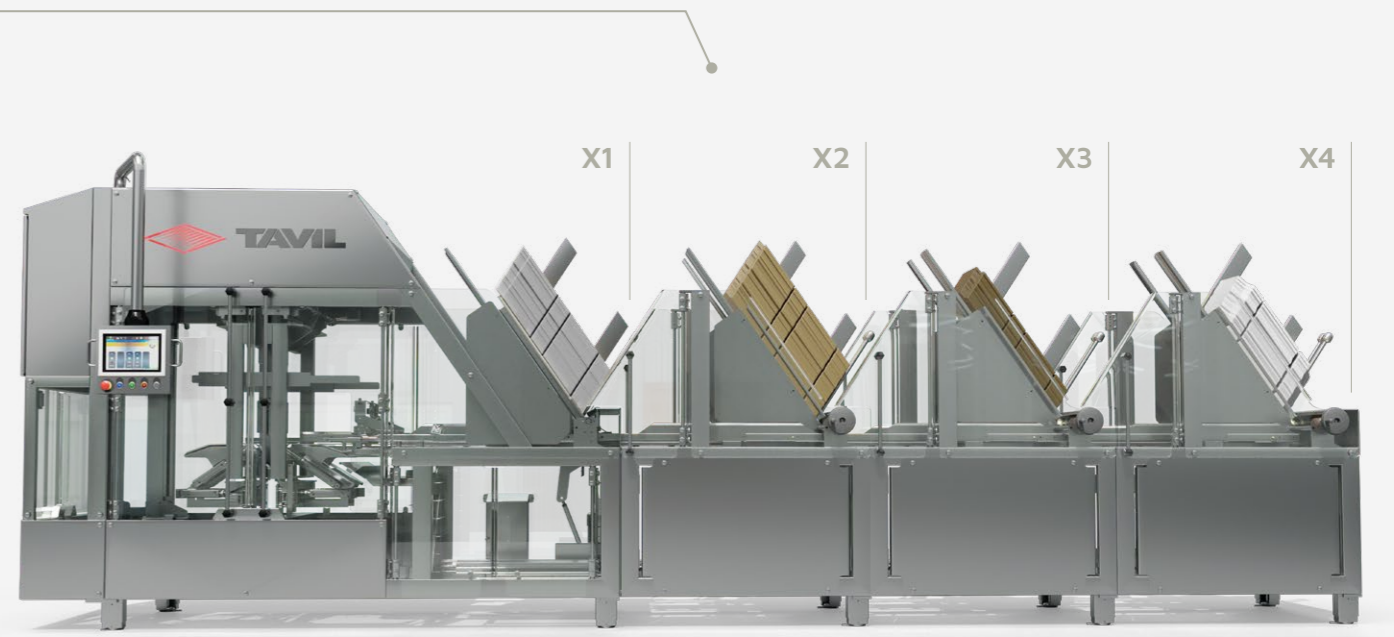
TAVIL's multiformat box forming machines deliver high performance, with capacities ranging from 1,200 to 2,400 boxes per hour, depending on the box model, format, and size.



Modular system

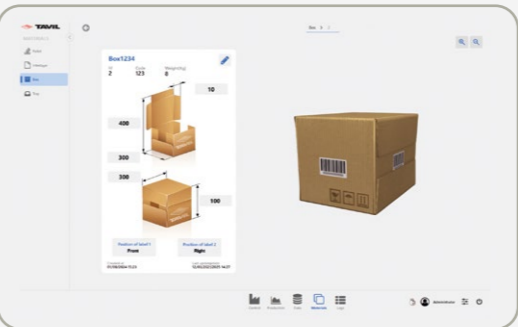
Possibility to install up to 4 feeders of different sized cardboard blanks to feed several production lines in a simultaneous way.

Its modular design delivers economies of scale: instead of investing in new equipment, additional feeders can simply be added to the box-forming unit as production needs grow.



Automatic changeover

Multiformat technology enables automated adjustment of the system to different box formats and dimensions at the push of a button. The automatic changeover is instantaneous and takes less than 4 seconds.



Accessories

- ▶ Automatic loading of cardboard blanks.
- ▶ Flap corner loading systems.



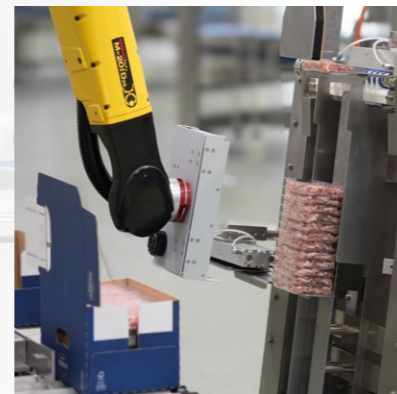
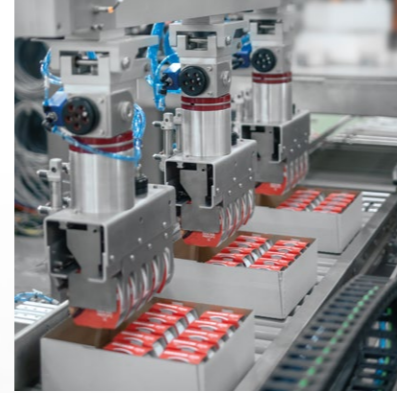
Automatic loading systems

TAVIL's multiformat automatic loading systems are designed to handle a wide range of products and loading patterns. TAVIL develops the complete solution, integrating control programming, system integration, and mechanical design, ensuring optimal performance and seamless operation with easy integration of new products.



Customized grippers

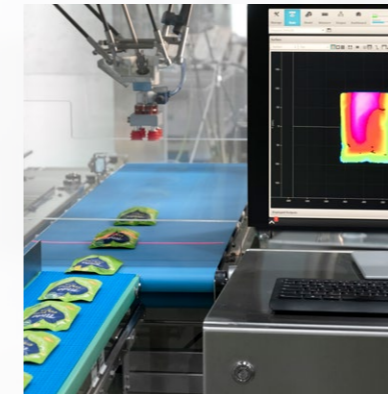
TAVIL's engineering team design customized grippers based on product type, geometry, and weight, by using suction pads, mechanical gripping systems, or a combination of both to ensure secure handling and precision.



High-speed pick & place system



3D cameras with deep learning



3D cameras combined with deep learning algorithms enable high speed geometric inspection and the automatic rejection of non conforming products in real time.

High-speed loading with artificial vision

The high-speed pick-and-place system integrates artificial vision to accurately locate product position and identify geometry in real time. This enables the reliable loading of randomly oriented products at high throughput.

The system features a stainless-steel structure, suitable for demanding industrial environments.



Multiformat box closing and covering solutions

TAVIL's multiformat box closing and covering machines can be customized to close, fold, and cover any kind of box, tray, or base at a maximum high speed.



All-in-One

One machine, multiple formats. Adaptability at the push of a button.



Covering



Folding



Closing

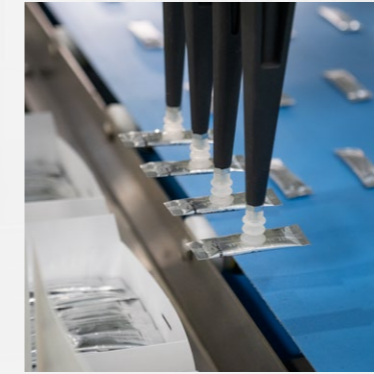


Multiformat cartoning solutions

Multiformat technology enables installations to work with different carton formats and sizes with the push of a button. Its compact and modular solutions are engineered to adapt seamlessly to the available factory space.



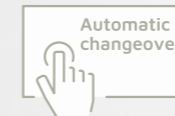
Multiformat carton forming machine



Flexpicker high-speed loading system



Multiformat carton closing machine



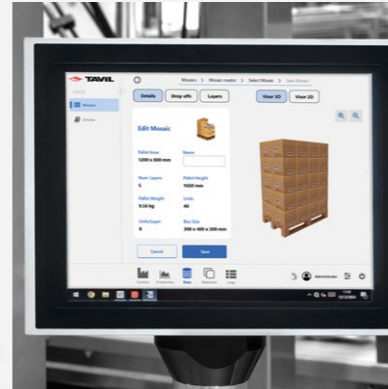
TAVIL technology enhances productivity and efficiency while offering high versatility in carton design.

Multiformat Max Pallet

Enables easy and intuitive editing of all pallet mosaic parameters.



Collaborative Robots



Automatic Pattern Editon

Benefits

- ▶ Automatic selection of optimal pallet patterns based on quantity, stability, and production rate.
- ▶ Fully automated palletizing solutions with integrated auxiliary equipment such as multipallet and automatic interlayer dispenser, premosaic tables, full pallet transfer, stretch wrappers, labelers and other devices.
- ▶ Customizable pallet mosaic configurations.
- ▶ Grippers engineered to handle a wide range of products, including glued boxes, shrink-wrapped packs, trays, base and lid formats, crates, bales, bags, pots, and drums.



Autonomous vehicles for pallet transfer

TAVIL AMRs are built with high-quality stainless steel and advanced materials, designed to efficiently handle and adapt to different load types. Equipped with a natural navigation guidance system, they operate without requiring modifications to existing infrastructure.



Heavy-load AMR



Prime AMR



Rack Mover AMR



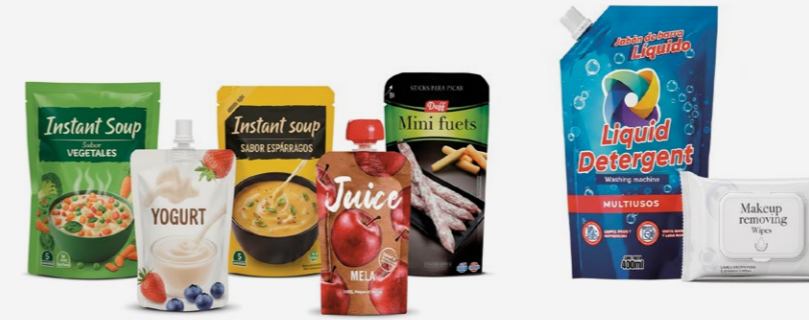
Pallet transfer AMR



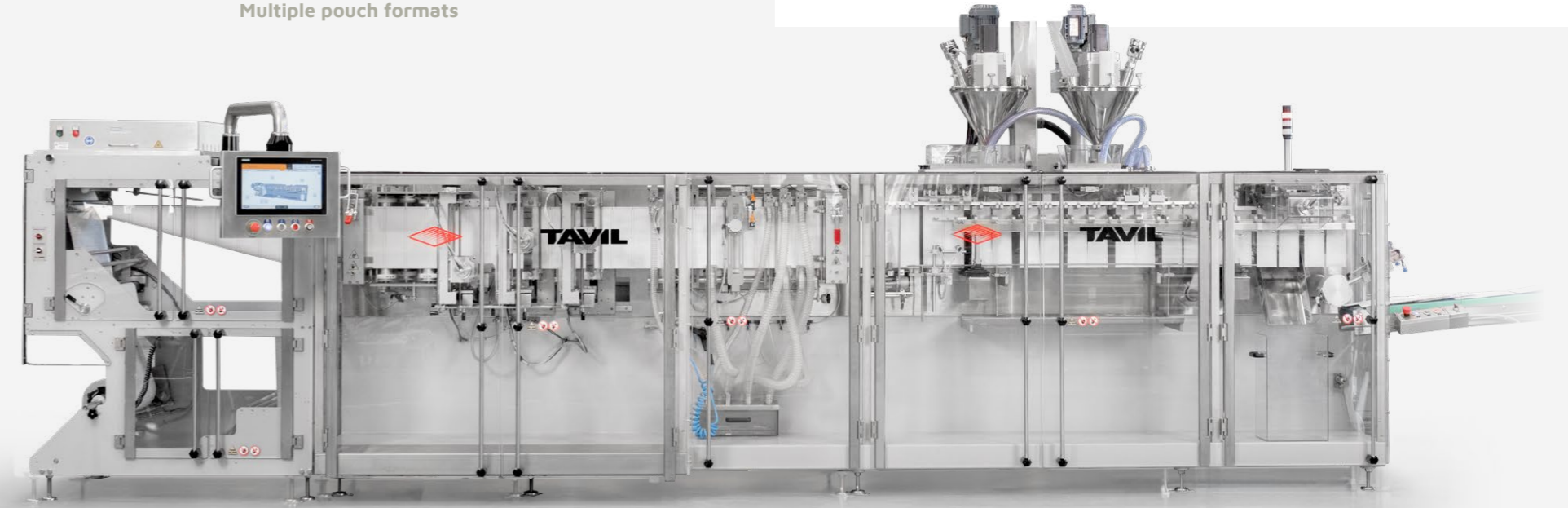
Pallet Flex AMR

Flexible packaging solutions

HFFS (Horizontal form fill and sealing) Tavid machine, supports pouch formats ranging from 50x60 mm to 320x400 mm, for both flat and stand up pouches. Systems are available in simplex to quadruplex configurations, using intermittent or continuous motion technologies to meet a wide range of production requirements.



Multiple pouch formats



Multiple products:



Solids



Liquids



Pastes



Granules

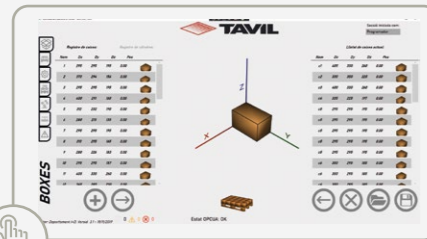


Powders

Handling & Logistics

Complete warehouse solutions with transelevators and software management

TAVIL designs and manufactures its own transelevators and develops customized software solutions tailored to each customer's operational needs.



High-performance automatic multiformat conveyors

TAVIL designs and manufactures conveying systems for products, boxes, empty pallets, and finished pallets. All conveying elements are engineered specifically for their application, with a strong focus on easy cleaning and maintenance, while meeting the highest safety and ergonomic standards. Stainless steel is TAVIL's standard construction material.

- ▶ Automatic transport and warehouse systems for crates and boxes, featuring elevators, automatic loaders, dumpers, and palletizing/depalletizing systems.
- ▶ Identification and tracking of crates and boxes using RFID and/or barcode scanning.
- ▶ Product and crate identification, covering point of origin, destination, product code, product description, unit count, and weight.
- ▶ Integrated data management software for global control of transport and storage operations.

Components and equipments



Multiformat conveying

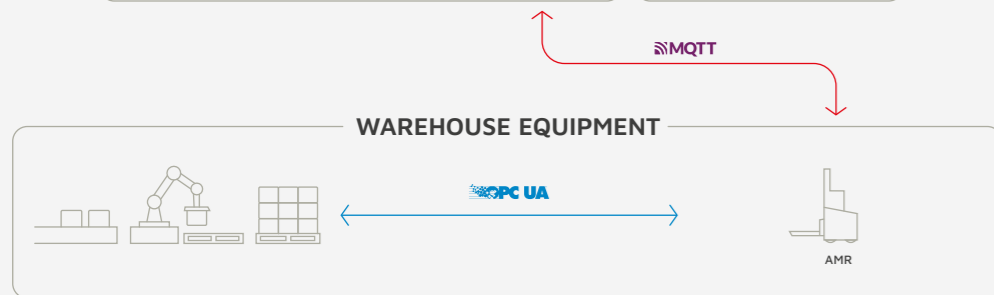
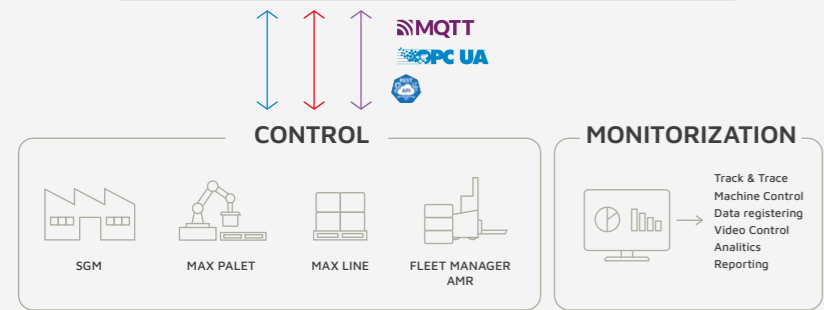
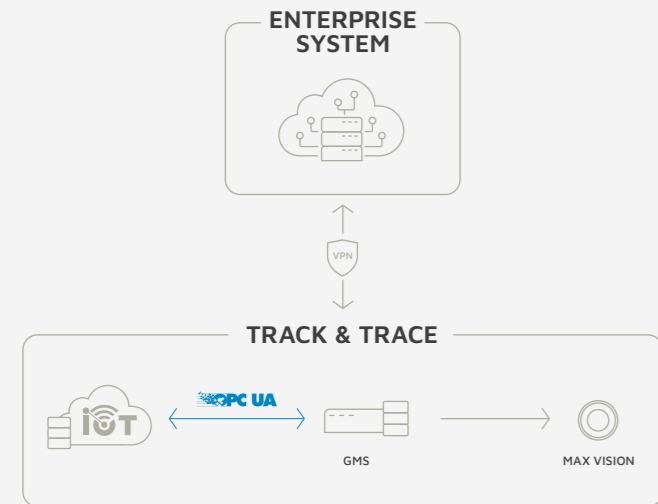
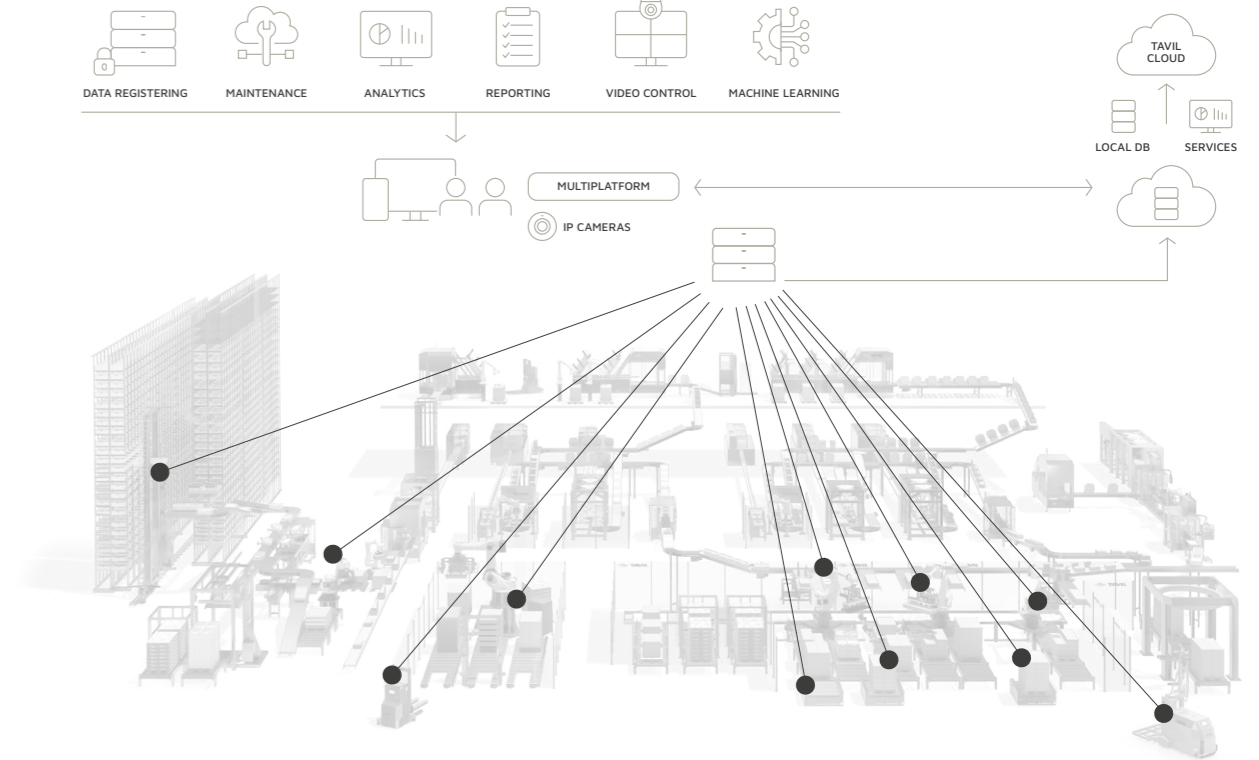
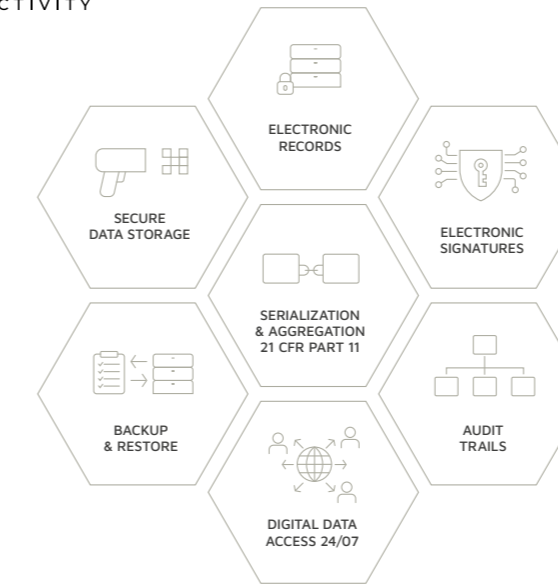


Automatic warehouse full crates



Automatic warehouse empty crates

Beyond Industry 4.0



Global management system (GMS)

- ▶ **Boost Productivity:** Streamline operations and minimize downtime significantly.
- ▶ **Enhance quality control:** Reduce waste and ensure consistent product standards through strict traceability.
- ▶ **Smarter decision-making:** Empower your team with real-time data insights for immediate action.
- ▶ **Cost Optimization:** Minimize manual errors and optimize material usage for greater operational efficiency.
- ▶ **Future-Proof Technology:** Take a definitive step into the future of smart manufacturing with IIoT and AMR integration.
- ▶ **Serialization & Aggregation:** Advanced labeling and hierarchy management for parts, boxes, and pallets ensures total visibility throughout production, packing, and dispatch.



Real-time IIoT & performance monitoring

Productivity and performance analysis software based on OEE standards and remote monitoring. It enables automatic identification of installation status without human intervention, fostering continuous productivity improvement.

- ▶ Industrial Internet of Things (IIoT) connectivity.
- ▶ Continuous real time monitoring of equipment and processes.
- ▶ Real time equipment status visualization, with configurable timeframes.
- ▶ Automatic report generation in PDF format.
- ▶ Chronological equipment status logs.
- ▶ Chronological alarm history tracking.
- ▶ Visual support and images linked to each registered alarm.
- ▶ Seamless integration with the customer's internal systems.
- ▶ Comprehensive performance monitoring.

SAT Tavid

Preventive maintenance service

TAVIL guarantees professionalism in both the commercial and technical aspects of our work. We take a proactive approach with our customers and maintain open communication throughout and after project execution.



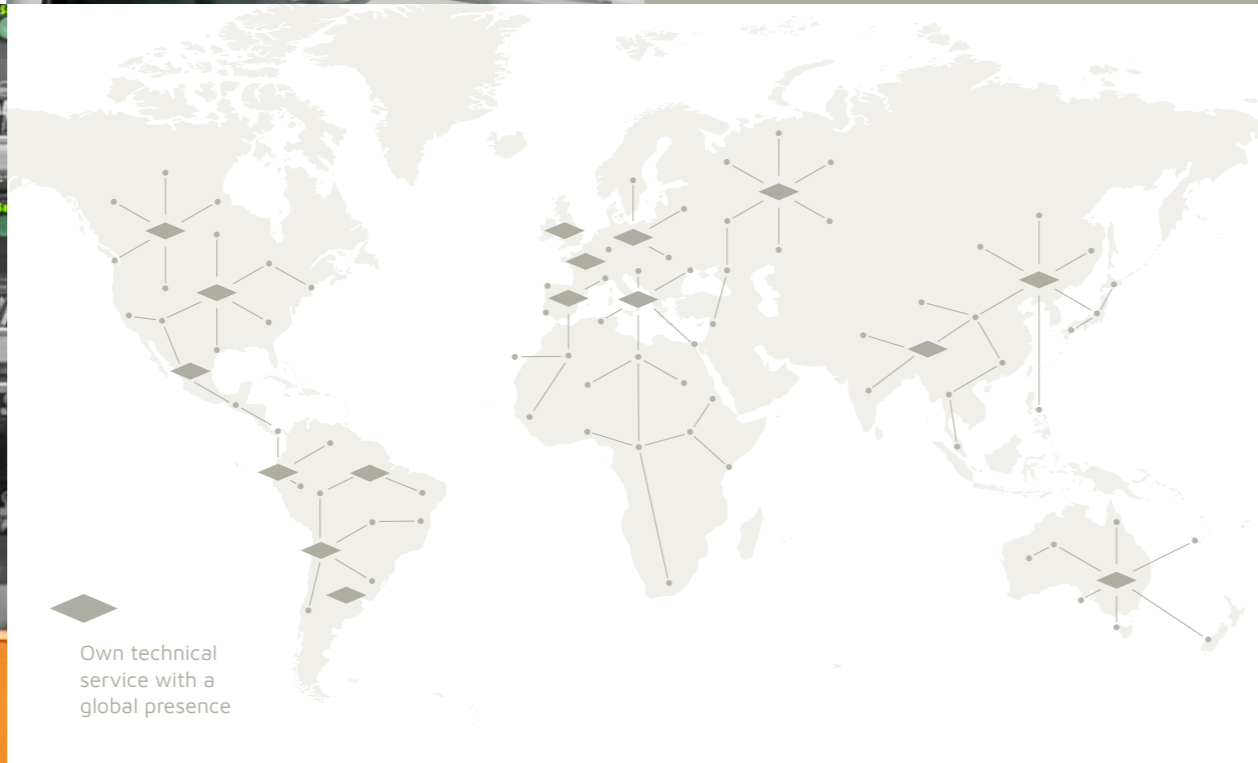
SAT 24 hours service
25 languages contract
(hotline)



Welcome to TAVIL

Partner relationships

In a constantly evolving business world, strong relationships with our partners are key to success. TAVIL is committed to collaboration and mutual growth, building lasting synergies founded on trust, innovation, and excellence.



Spare parts

At TAVIL, spare parts management is designed to ensure a fast and efficient ordering process, providing a quick and reliable response to customer needs and minimizing downtime.



- CAMPOFRIO FOOD GROUP, DrSchär, ELPOZO, alicorp, DANON PARRADILLO, MAPLE LEAF, FrieslandCampina, AkzoNobel, SAVENCIA FROMAGE & DAIRY
- Beretta, BRAUN, AIA, JBB, Nestlé, DANONE, Unilever, Danish Crown, Baiada, BOLTON FOOD
- PPG, pilgrims, Lindt, GRIFOLS, TÖNNIES, Quajtia, SEABOARD foods, Cérélia, bambi, МИРАТОР
- MISSION, Yell Companies, CJ CHEILJEDANG, Seara, INDITEX, Bell & Evans, Triumph Foods, Abbott A Promise for Life, Amadori, Natra
- Ehrmann, FICOSOTA, amazon, Trolli, grencore, SOKOŁÓW, VIČIŪNAI GROUP, Herta, Sigma, Ebro
- LALA, FAES FARMA, bel: for all the good, ZWANENBERG FOOD GROUP SINCE 1875, Hochland, NAMET, HAPPY DOG, Thai Union, Bahlsen, THOMAS FOODS
- master good, GROUPE LACTALIS, JOTUN, SAMWORTH BROTHERS, CTI FOODS, Swizzels, Pagen, Arla, Fini

Food



Meat



Snacks



Vegetable



Pet food



Poultry



Chocolate



Fish



Confectionery



Dairy



Ready meals



Beverages



Bakery



Coatings



Paints



Chemicals



Pharma



Injectables



Oral solids



Oral liquids



Nutraceutical



Others



Office supply



Body care



Home care



Electrical supply



Strategic sectors Sectors, boxes and products

Tavil is an innovative company operating across diverse industrial sectors, providing high-quality solutions tailored to the needs of each market. Its activities are organized into four strategic sectors



TAVIL

Poliger Sud, Sector 1
17854 · Sant jaume de Llierca
Girona · Spain

T. (+34) 972 290 105
comercial@tavil.com



www.tavil.com

