

YOUR PARTNER FOR

# INTEGRATED LOGISTICS





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# INTE- GRATED LOGI- STICS



## COMPANY and HISTORY

### HISTORICAL NOTES

**1972** - Birth in Modena of the M.R.M. TRASCAR S.r.l. (TRASportatori CARrelli), a company specialized in the construction of transport systems and trolleys in various sectors.

**1987** - Gelati Giuseppe becomes a member of the Board of Directors. The company changes its name, from M.R.M Trascar S.r.l. to TRASCAR DUE S.p.A.

**1992** - Gelati Giuseppe reaches a 1/3 share. The company changes its name from TRASCAR DUE to TRASCAR S.p.A. and Gelati Giuseppe becomes President in 1993.

**1996** - Trascar delivers the first automation for the handling and packaging of non-woven reels.

**2003** - Gelati Giuseppe acquires 100% of the company shares becoming the sole shareholder of TRASCAR S.p.A.

**2004** - Trascar delivers the first centralized palettization solution (food industry).

**2006** - Trascar delivers the first automatic warehouse (Dairy industry).

**2010** - Obtaining the ISO 9001: 2008 certification and the Qualification Certificate for the execution of public works (SOA, category OS4, Classification 7).

**2013** - Acquisition of U.T.I.T. (born in 1960), a company specialized in the construction of automation systems for the Textile and Pharmaceutical Lines sectors.

**2015** - Obtaining the ISO 14001: 2015 Environmental certification.

**2018** - Trascar reaches 35mln€ turnover thanks to a consolidated global market presence.

**2020** - Achievement of 8th Category in the Qualification Certificate for the execution of public works (SOA, category OS4, Ranking 8).

Located in the immediate outskirts of Modena, Trascar is structured on an area of approx. 6.000 square meters, where the integrated logistics systems are entirely designed, assembled and tested before final shipment. Trascar can create **palletizing and transport systems, automatic industrial warehouses, picking and final dispatching solutions**. For any need in the field of industrial automatic handling, Trascar can develop a dedicated and high-quality solution.

From palletization to final dispatchment, Trascar is **the ideal partner for integrated logistics systems for your Company**. For over 45 years, Trascar has been supporting its Customers by offering complete solutions for the handling and storage of goods of all product categories.

# INTEGRATED LOGISTICS



## A single Partner for Integrated Logistics

From palletization to final dispatchment, Trascar is the ideal partner for integrated logistics systems for your Company. For over 45 years, Trascar has been supporting its Customers by offering complete solutions for the handling and storage of goods of all product categories.

## Complete Automated Logistics Solutions

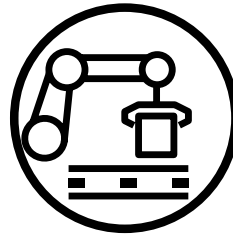
Trascar is able to create automatic palletizing systems, handling and transportation systems, automatic warehouses, picking and dispatching systems.

## An efficient after-sales Service

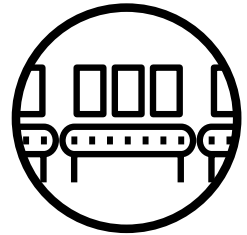
After the final installation, our Service supports final Customer in all activities.



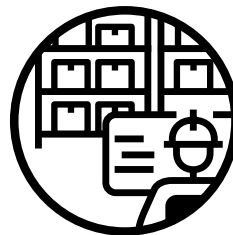
## SOLUTIONS



PALLETIZING AND DEPALLETIZING



HANDLING AND TRANSPORTATION SYSTEMS



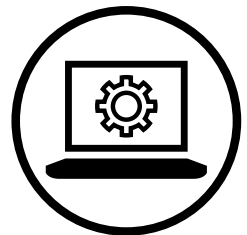
AUTOMATIC WAREHOUSES



PICKING SYSTEMS



DISPATCHING



INTEGRATED SOFTWARE



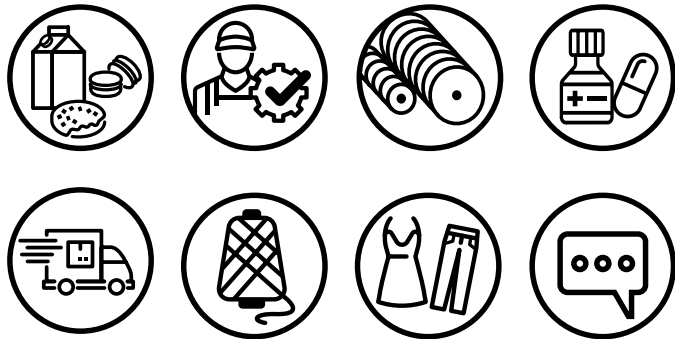
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# INTEGRATED LOGISTICS

## SECTORS



From over 45 years Trascar supports its Customers by offering **complete solutions** for the handling and storage of materials of **all product categories**.

### FOOD

Integrated systems for the dairy supply chain, fresh, frozen and packaged meat, cured meats, bakery products, sweet and salty oven products, pizzas, sugar, ...

### MANUFACTURING

Integrated systems for foundries, producers of laminates and kitchens and in any case companies producing finished or semi-finished goods.

### REELS

Integrated systems for the reels handling (non-woven, paper, plastic film and alufoil, ...).

### PHARMACEUTICAL

Full solutions for pharmaceutical distribution logistic (vertical automated warehouses).

### LOGISTIC

Integrated systems for all logistics service providers.

### TEXTILE

Roving bobbins and cones automatic transport systems (palletizing, packaging and automatic warehouses).

### FASHION

Dedicated solutions for the storage of goods in the warehouse and for the preparation and fulfilment of orders (also for e-commerce).

### OTHERS

Integrated systems for other industries like automotive, ceramic, tissue, ...



PICKING SYSTEMS



DISPATCHING

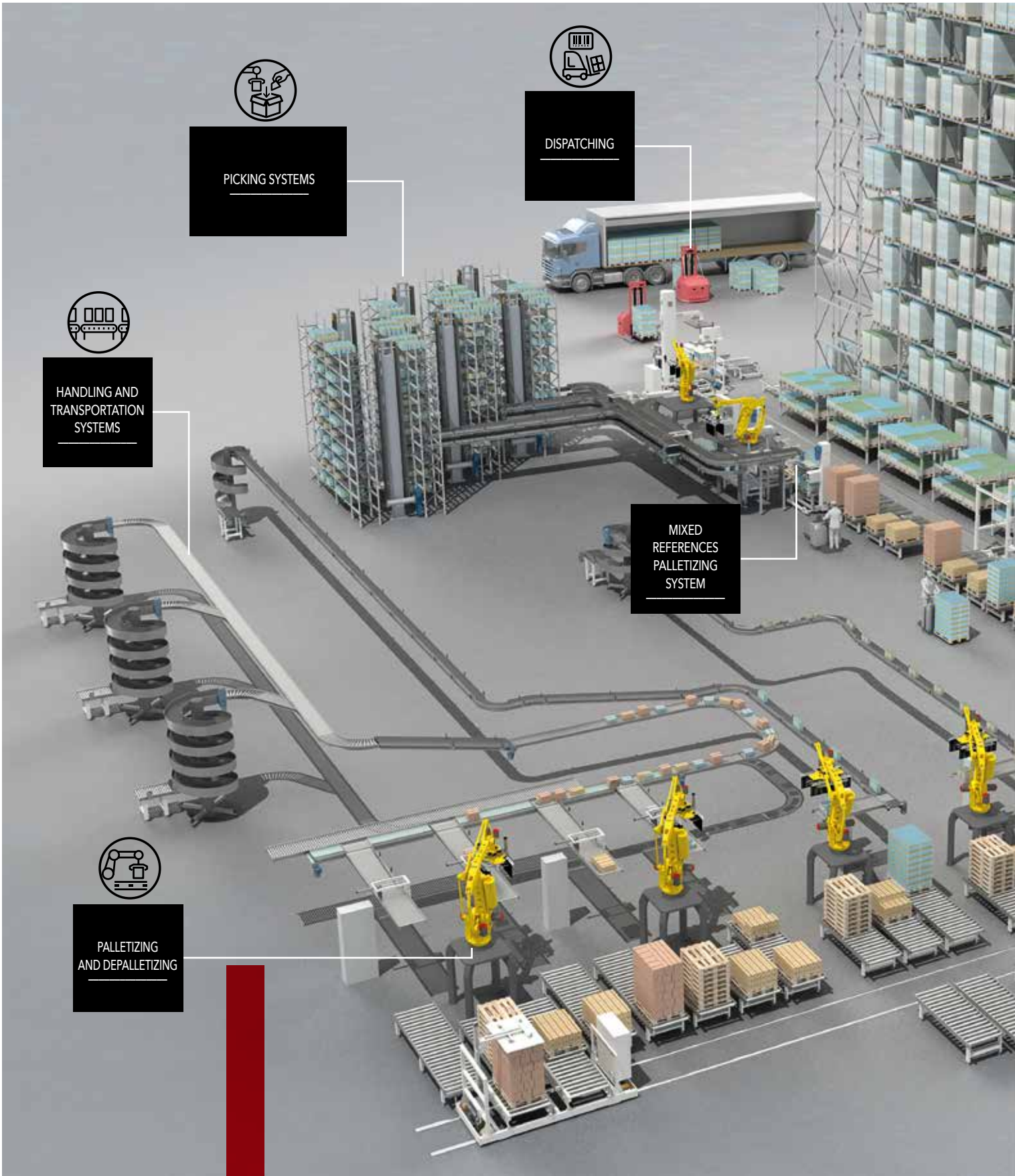


HANDLING AND TRANSPORTATION SYSTEMS

MIXED REFERENCES PALLETIZING SYSTEM



PALLETIZING AND DEPALLETIZING



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SOLUTIONS

# INTEGRATED LOGISTICS



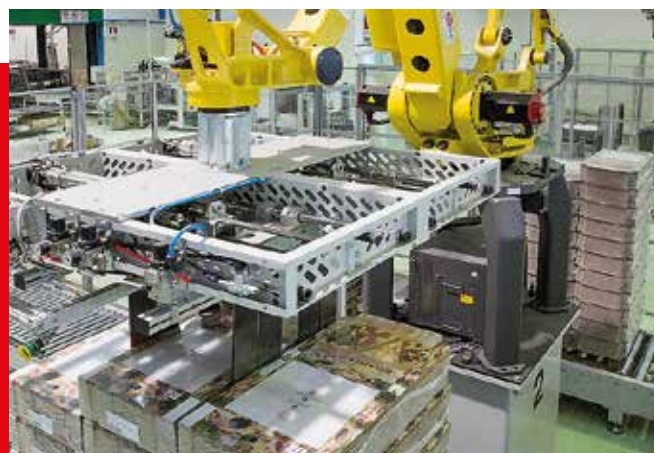
AUTOMATIC WAREHOUSES

PALLET CONTROL AND SANIFICATION



INTEGRATED SOFTWARE

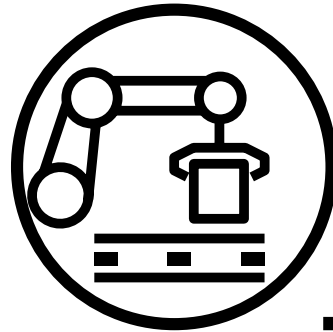
PALLET HANDLING AND PACKAGING



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## PALLETIZING AND DEPALLETIZING

High performance in terms of **handling speed, error elimination and operator safety. Modularity and expandability** always guaranteed, in order to adapt the line to the growth of the company.

The **automatic palletizing systems** made by Trascar are always customized to the Customer's needs, therefore adaptable to **all product sectors** and able to respond effectively to any technical variable (shape of packages, final weight, work environment, ...). Based on the process data, Trascar is able to fully assess the Customer's need by proposing the most suitable automatic palletizers, through **cartesian and anthropomorphic robots with 5 or 6 controlled axes.**

The Trascar proposal is completed with the **EasyPallet software** which allows the Customer to directly create new palletizing schemes based on their specifications and in a simple and intuitive way, also operating off-line.



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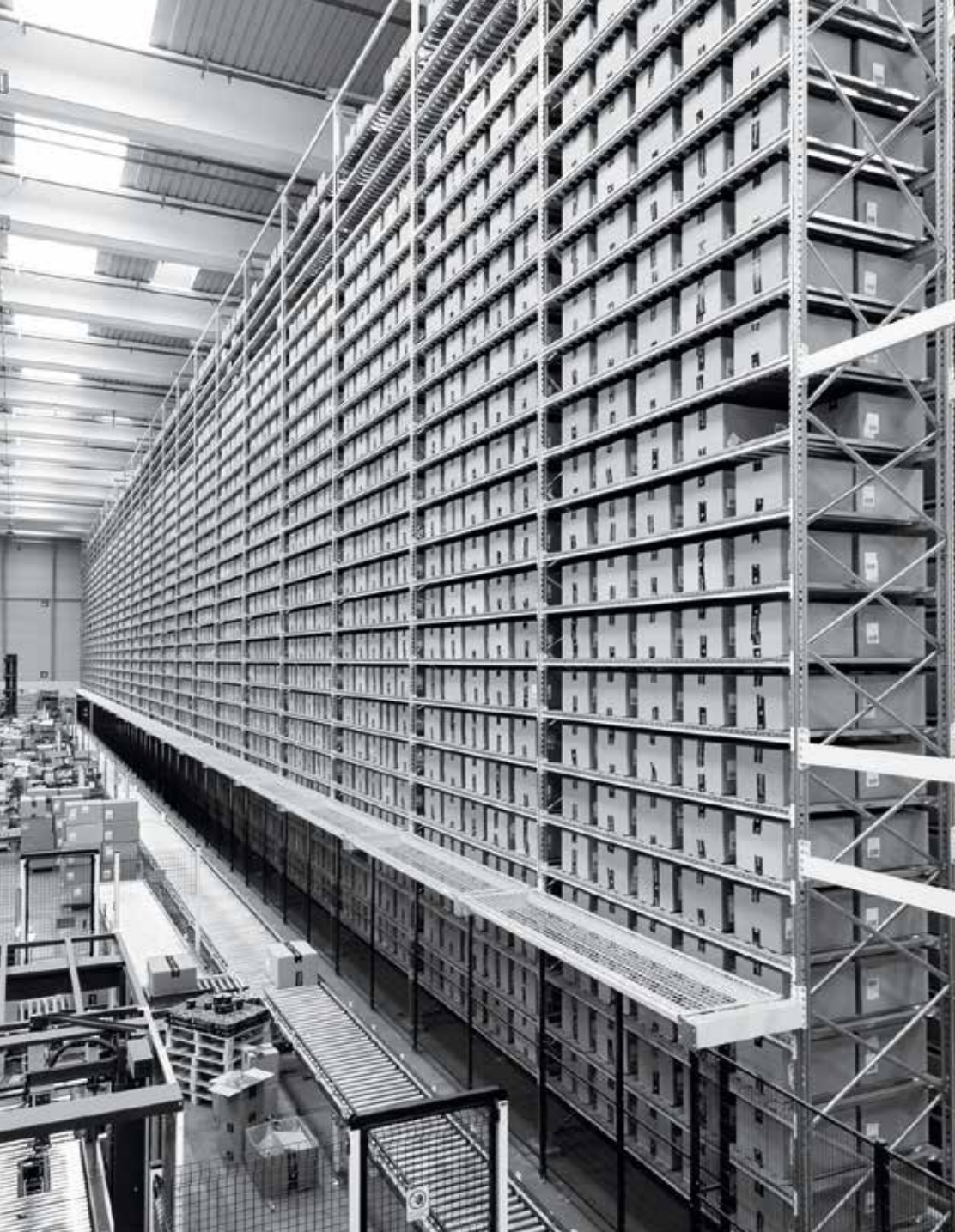


## PALLETIZING AND DEPALLEITIZING



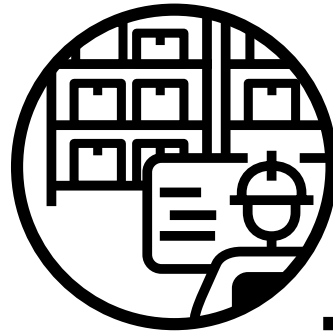
Trascar automatic palletizing systems are also able to **manage with extreme care different types of product** using different gripping devices according to the good to be handled. During the design stage, Trascar's technicians carry out an advanced study of the required specifications, defining in detail the palletizing station and ensuring their scalability to have systems that are always updated and efficient.

The Trascar portfolio also includes the best solutions for goods depalletizing, allowing Customers to be able to unload parts from pallet and then sort and transport them to the final destination, using the most suitable technologies for correct process management.



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## AUTOMATIC WAREHOUSES

Trascar automatic warehouses guarantee **high performance and flexibility** to meet the needs of the individual Customer, **minimizing the space used and maximizing efficiency and productivity** with the competitive advantage of a single partner for all warehouse logistics.

In its vertical automatic warehouses, Trascar integrates **trasloelevators** and handling systems developed internally and designed for every need, for the **storage of various types of loading units (UDC)**, such as **pallets, containers or boxes with single, double or multiple depth**.

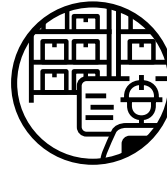
The trasloelevator installed inside the shelving is studied and designed with high performance to **optimize the input and output of the UDC**, without losing reliability. The automatic machine can be equipped with **different gripping units** based on the performance, dimensions and type of product handled: pair of telescopic forks and satellite shuttle for multi-depth.

The trasloelevator is equipped with an on-board electrical cabinet for activating the horizontal and vertical movement, as well as everything necessary for management in the corridor.



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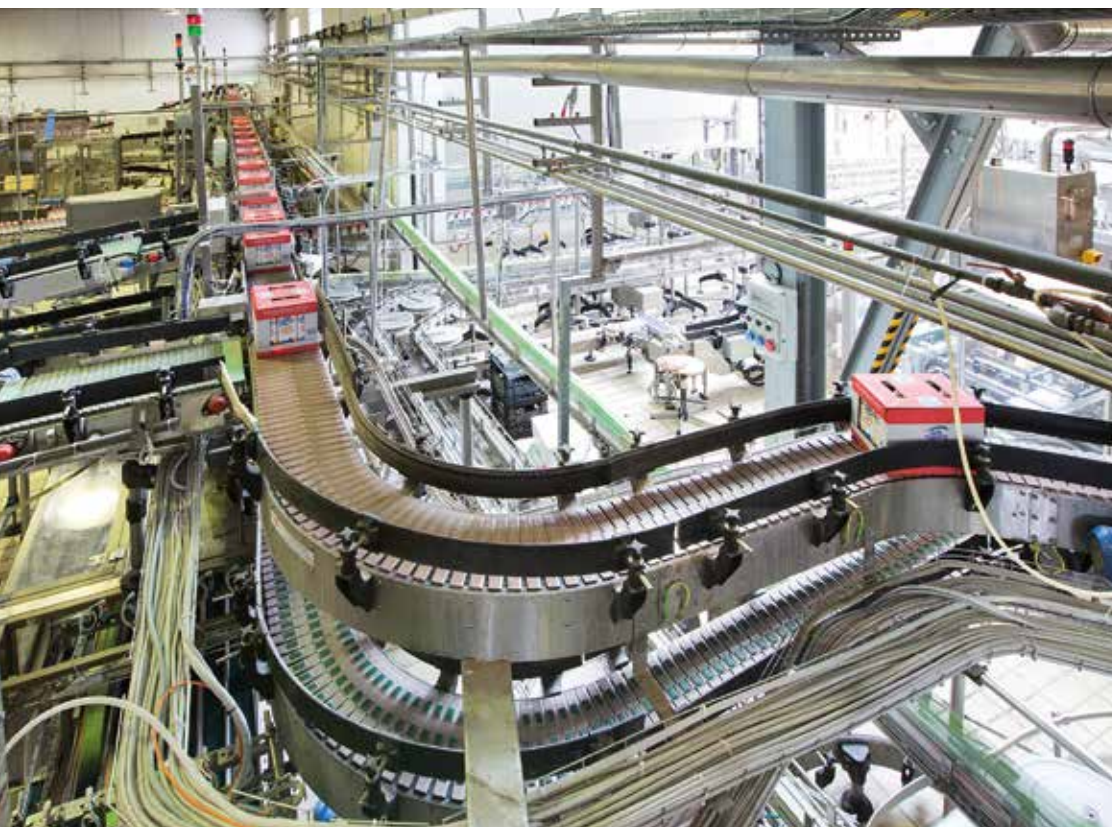
## AUTOMATIC WAREHOUSES



The **shelving** is the static part where the UDCs are deposited and subsequently picked up by the trasloelevator; as for the machine, the shelf is also designed and built to meet all needs: type of product, space available, number of UDCs stored, depth and fire protection system adopted.

The **storage temperature** can also be **controlled or refrigerated**.

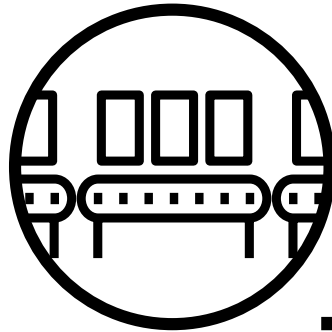
The trasloelevator and the related header handling are coordinated by the **WMS (Warehouse Managing System) software** which manages the main activities by **interfacing with the management system (ERP)** of the end Customer.



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## HANDLING AND TRANSPORTATION SYSTEMS

Every product to be handled (boxes, cardboard, bundles, reels, pallets, cases, metal parts, ...) should be to the right position at the right time.

The range of handling and transportation systems includes **AGV (Automated Guided Vehicles)**, shuttle cars and pallet conveyors systems. For each product to be handled, we are able to provide the most suitable equipment.

The **mechanical reliability of conveyors** is now supported by electronics which control each movement through a system that manage speed and traffic. Hardware and software control the system and **exchange data and information with the Enterprise Resource Planning (ERP)**.



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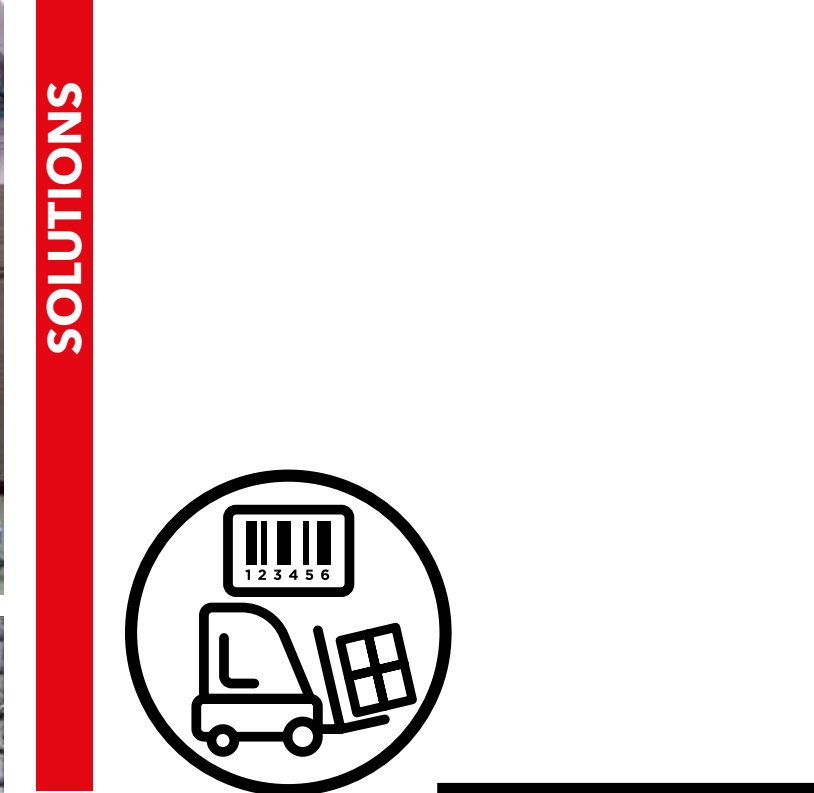
## PICKING SYSTEMS

Trascar offers **warehouse picking systems** that can be adapted to the level of automation required by the Customer: **from a manual up to a fully automatic system** that provides immediate and direct benefits to the warehouse activity.

Trascar offers **complete warehouse picking services** for distribution centers, from automatic single product order pickers to robotic preparation of multi-code pallets for large-scale distribution.

By analysing the historical data relating to the Customer's order preparation, Trascar is able to design a tailor-made solution for the **preparation of the order by layer, by single package or by boxes** (when the single box is the shipping unit).

The system management software integrates with the warehouse WMS coordinating the movement sequence of the "mother" pallets for the correct formation of the "son" multi-code pallet to be composed.



## DISPATCHING

All Trascar automatic dispatching systems include **order pickers (A-frame), complete transport lines, elevators-descenders, sorters, box packaging systems, labelling, dispatching data management, order control and any automatic palletizing and packaging of the pallet to dispatch.**

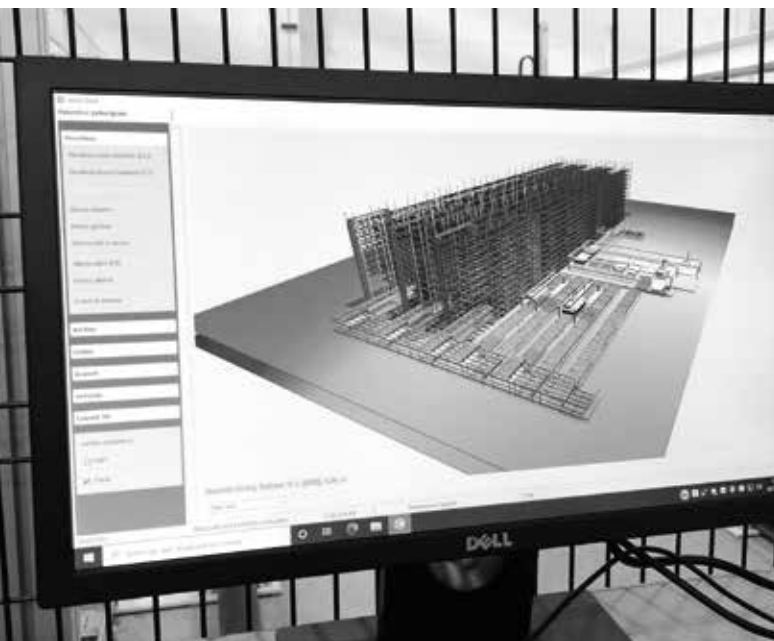
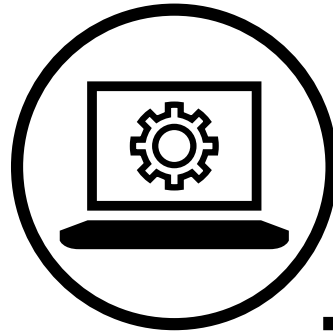
In the dispatching logistics platforms, Trascar installations allow the **simplification and automation of all order operations.**

The automated solutions are integrated with semi-automatic systems to support operators, such as pick-to-light and radiofrequency terminals, supplied in the data management-supervisor package of the Trascar solution.



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## INTEGRATED SOFTWARE

Trascar internally develops the **integrated software for the whole intralogistics**. The software **controls the various technologies of the intralogistics platform** (robots, AGV, transport of packages and pallets, ...) and for other machines involved in the process.

The Trascar automatic warehouse software is the ideal solution for the **management of warehouses even of large dimensions and high handling**, also guaranteeing the possibility of interfacing with the management systems (ERP) used by Customers.

The **ease of use** and the **experience reach by all the applications developed** over the years have allowed continuous evolution, making the **platform stable and the interface very intuitive**.



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SERVICE



## SPARE PARTS, REVAMPING AND UPGRADE

Trascar is able to support Customers in the supply of **original spare parts** and in the **solutions modernization**.

Through **revamping** or **upgrade** activities, the useful life of the system can be extended, also thanks to safety and technology updating.

## PERIODIC MAINTENANCE SERVICE AND ON-SITE ASSISTANCE

To maintain high performance and productivity of the systems, **periodic maintenance contracts** are proposed based on the technical needs of the installed systems.

A team of **specialized technicians** is also dedicated to **on-site assistance** to carry out repairs, urgent spare parts replacement and minimizing Customer's stop.

The direct relationship with the Customer, reliability and experience in the sector are the main plus of this service.



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SERVICE



## HELPDESK AND TELESERVICE

In the event of breakdown and downtime, the Trascar **help desk** is always active, providing the real time telephone assistance to the Customer.

The remote assistance service is organized and managed internally by Trascar staff. A software technical support accesses the PC/PLC installed on the Customer's system via VPN, thus cancelling the travel times of the engineers involved in the intervention and restoring operation in a very short time.

## CONTINUOUS TRAINING

Trascar, also acting as a partner on **training in the field**, offers an **operator training** service on the use of the systems, with particular attention to the safety rules to be observed and to the ordinary and/or extraordinary maintenance procedures.

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