

Flexibility and tailored solutions

Trascar's solutions are always based on in-house experience and the customer's own needs.

The company has been set up especially to best meet all requirements; our **flexibility** allows us to create **tailored solutions** and to offer our services for **resolving customers' in-house logistic problems**.

The success of each project depends on our ability to **handle both the needs and problems** that have motivated the customer to contact us, and application of Trascar's knowledge in devising a solution.

Here are a few solutions based on the above-mentioned approach:

AUTOMATIC PALLETIZATION AND TRANSFER OF FINISHED PALLETS TO THE WAREHOUSE

Balocco Spa, based at Fossano, requested us to fully automate the end of line process for its nine production lines. We created a plant that could sort the packed products, palletize these automatically using three robot islands and move the pallet to its respective place in the warehouse.

Automated warehouses require particular care and attention especially when, as in this case, the product is not a wooden pallet but a stack of metal containers. A conveyor-elevator with twin tower and telescopic forks interfaces with the warehouse to receive or insert the product to be moved, guided by management software that interfaces with the company host. The twin solution ensures the machine remains stable even when moving bulky loads.



AUTOMATIC PICKING OF LAYERS

The **automatic preparation of orders in layers** is Trascar's ambitious achievement in the distribution of Home Care and Personal Care products for the Customer's logistics site in the North of Paris. The line ensures automated management of not only the entire preparation of pallets for orders to be delivered, but also of the process for re-ordering stock to be stored temporarily until its next use. Delivered pallets therefore comprise various layers of products with different codes and are strapped, wrapped in film and given a label bearing all the essential information on the package for delivery. The plant, which prepares 120 layers/hour in

fully automatic mode, has an automated warehouse with conveyor-elevator for managing half-finished pallets.

AUTOMATED INTEROPERATIONAL WAREHOUSE

Zanardi Fonderie Spa, a Verona-based leader in the production of austempered ductile cast iron, now has an automated warehouse by **Trascar** Spa that controls the flow of cores from the production site to the foundry division and the return of empty pallets.

The system comprises a set of conveyors that transfer pallets bearing the cores from a gantry robot for stacking and from racking featuring 2400 pallet spaces, assisted by two double-depth conveyor-elevators. This automation frees the core production site from the foundry division and all movement of materials between the divisions is managed and controlled by the plant supervision system.



AUTOMATED WAREHOUSE FOR THE STOCKING AND DELIVERY OF PALLETS OF UHT MILK

Royalat Srl commissioned **Trascar** Spa to create an automated warehouse that could manage the entire flow of palletized finished products prepared for delivery. The system covers the transfer of finished pallets from the palletizers to storage, the pallet racks, the automated warehouse comprising 4 double-depth conveyor-elevators, the handling of outbound goods with bays for the preparation of vehicles, and the associated software based on a platform created by Trascar in-house. The system was installed in an existing building originally used as a traditional warehouse.

PACKAGING AND PALLETIZATION LINE FOR INKJET PRINTERS (Plant devised in France)

Packaging is now outsourced to other manufacturers.

In the case in question, Trascar set up a system for the automated packaging of inkjet printers at a leading French logistics centre, inclusive of polystyrene cases to deliver the printers directly to sales centres. The fully automated line picks the printers off the pallets delivered by the manufacturer and places them in cartons. It then prepared the cartons for packaging, inserts the accessories in the packages, seals these all in a complete cycle, and palletizes them using the anthropomorphic robot as shown in the picture.



PACKAGING AND PALLETIZING PLANT FOR MOZARELLA, OTHER CHEESE AND RELATED PRODUCTS

The product is packed in bags at a rate of 120 pieces per hour, undergoes the various tests required when put in the secondary packaging, and is then boxed, labelled and palletized.

The plant was provided and created entirely by Trascar and handles **the entire process for mozzarella cheese, from the bag to the warehouse.**

BAG AND PAPER FACTORIES: NEW SYNERGIES IN YOUR FIELD

Trascar also creates fully automated **bag** production plants that manage the insertion of rolls in tubers, the discharge and delivery of products from the tubers to the bottomers, with the possibility of adding dynamic stock with a **Compenser**.

After the bottomers, there are systems for pressing and conveying the products, palletization, strapping the pallets, etc, and then conveying them to the warehouse area and stocking them in manual or fully automated structures. As for the paper industry, Trascar offers and creates complete automation systems from leaving the folding-gluing machines to palletization of the collapsible and folded boxes, with the respective pallet wrapping and stocking in semi- or fully automated warehouses.



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