The Game Changer
Key points

Experience.

Empower.

Evolve.
Since 2000 Eurofork has been working with the aim of finding the best solutions in the automatic handling panorama. Investing every year about 10% of its turnover in Research & Development activities, it is able to ensure to the customer an always updated and innovative know-how.

Twenty years of experience in the sector allows the company to offer a wide range of handling devices ranging from telescopic forks to innovative shuttle solutions, such as ESMARTSHUTTLE and StackerSAT. Eurofork today is a problem solver for every system integrator.

For Eurofork is essential to maintain production in Italy and, to ensure a quality product, all phases of the production process are deeply controlled, from the selection of raw materials up to final testing.

Eurofork does not synthesize its activity as a simple direct sale of products but tries to convey through its work the values in which it strongly believes. Experience, proactivity and great attention to detail are added values that have allowed it, over the years, to build solid relationships with customers and partners and to empower the presence in the market.

After many years of hard work, today Eurofork is one of the leading manufacturers of high-end handling devices in the intralogistics automation scene and it is a reference point for innovative mechatronic solutions on the international market.

With a widespread presence all around the world and a wide distribution of products, the company is driven by a global thinking attitude and is aware that the process of evolution and innovation is only just at the beginning.

Millions of loads are handled with Eurofork products in more than 30 countries.
MADE BY EUROFORK, MADE BY ITALY

In order to provide a high level of quality, all processes are centralized in a single production pole. For this reason, each solution is thought out, designed, produced and tested entirely in Italy under an accurate control. For Eurofork, Made in Italy is synonymous with a strong link with the territory, a fundamental principle that translates into research, attention to detail, solidity and efficiency of the product.

QUAL-ITALY

From the factory acceptance phase, every single component intended for Eurofork products is checked and inspected with quality tests. All stages of the production process are monitored and tested in Italy to ensure a high added value solution in both the short and long term.

ENDLESS INNOVATION

Empower and Evolve is the philosophy that the company applies every day. With important investments in research and development and a strong link with partners and customers, Eurofork is constantly looking to anticipate market demands with innovative and cutting-edge products.

TWENTY YEARS AHEAD

Eurofork combines the know-how gained over the years and the continuous propensity for innovation to create solutions specifically tailored to the customer. Each product is designed and manufactured entirely according to specific requirements. This allows to have no limits in the production of handling devices and to propose an incredibly flexible range of products.
The aim of Eurofork is to be a reference point in the logistic automation field as producer of high quality handling devices.

Eurofork’s ambition is to propose always more innovative products granting System Integrators cutting-edge solutions.
TAILOR MADE SOLUTIONS

Born in the second half of the 20th century for the automotive sector, telescopic forks are today among the most reliable mechanical solutions for handling loads in automated warehouses, automotive and industrial automation.

Telescopic forks are used to bilaterally move unit loads with different dimensions and weights inside the automated warehouses.

In automotive factories, telescopic forks are the ideal tool for handling car bodies. The telescopic forks are specially designed to move the chassis from one station to another.

The reliability and quality of the Eurofork handling devices range is protected and guaranteed by international patents.

ASRS, automotive, aerospace, e-commerce, food&beverage, textile, pharma&medical, renewable energies; Eurofork solutions are suitable for all kinds of sectors and applications.
Telescopic forks
SINGLE DEEP

Robust, versatile and absolutely the most used in automatic handling. It is characterized by a fixed body and two moving parts, the single deep forks handle, bilaterally, loads stored on the first level of the shelving.

DOUBLE DEEP

Double deep forks have an additional movable extension leaf, which allows to move pallets bilaterally in the second level of the rack. This type of fork comes in two versions: the first one with a single gearmotor which moves all three mobile extensions simultaneously and the Variant version, equipped with two gearmotors that allows more dynamic load management by moving two or three elements.

TRIPLE DEEP

Composed of a fixed body and four mobile extensions, the triple deep forks are perfect for working bilaterally up to the third shelving level.
MINILOADS

Perfect for handling small load units in both single and double depth, miniload forks are often used in high cycle warehouses (e-commerce or small parts storages) and are able to achieve high accelerations by reducing the cycle time flow.

MÖWE

Featuring a side grip, they are the perfect solution for handling boxes. Adaptable to any warehouse, Möwe are built according to the dimensions of the unit load to manage and can handle up to two boxes at the same time.

ADDITIONS

All telescopic forks can be supplied with a range of accessory systems depending on the application required. These accessories are chain or belt conveyors to move pallets or boxes without moving the forks, systems that lift up the load from the point of support or systems that modify the distance between the forks so as to adapt to loads of different widths.
FULL CUSTOMIZATION

Each product is unique and built in every detail according to the customer’s requirements in order to optimize its efficiency according to the necessary use.

OUT OF COMFORT ZONE

Twenty years of experience allows Eurofork to find the best solutions, going beyond the normal conditions of use. Uncommon cases range from the handling of large coils, the possibility of working in third depths to the use of chain, belt or lifting systems. Thanks to the use of special metal alloys or treatments, they are able to work in critical conditions up to +400 °C (752 °F), acting directly inside the furnaces.
24/365

All products undergo specific internal tests before the delivery to ensure maximum efficiency, accuracy and stability. The relationship with the customer does not end with the delivery of the product, however, the service team remains available to the customer 24 hours a day, 365 days a year with timely remote assistance services and direct interventions.

REVAMPING, NOT ONLY EUROFORK

The Service department has over twenty years of experience in the sector, repairing and modernizing all types of handling devices, whether from Eurofork or other manufacturers.

FAST DELIVERY

Being competitive means satisfying the customer quickly. Eurofork has adopted the speed of delivery as a fundamental point to offer a quality service. The lead time between the purchase of the solution and its delivery is reduced to a minimum thanks to the optimization of the internal production flow consolidated in twenty years of experience.
Shuttle systems
Growing market demands today force automated warehouses to work 24 hours a day, 7 days a week in critical environments and with increasingly high storage flows. ESMARTSHUTTLE is the innovative mechatronic solution that, with an advanced and internationally patented technology, responds to new intralogistic demands in a totally innovative approach, affecting performance and optimizing costs.

Composed by a shuttle [bigger cart] and a satellite [smaller cart] equipped with the latest generation components, thanks to a 5 GHz Wi-Fi connection system and extreme flexibility, ESMARTSHUTTLE is designed to work at high performance 24/7 even in pre-existing buildings, with structural obstructions or irregular layouts.

The innovation, reliability, robustness and high market value of the system are guaranteed by the Smart Systems Integrated brand, the certificate issued directly by the European Technology Platform on Smart Systems Integration.
ABSOLUTE POSITIONING
Thanks to DataMatrix technology, ESMARTSHUTTLE always knows exactly where it is located and where unit loads are positioned. This internationally patented solution maps the entire warehouse in 3D, allowing the machines to move and store the goods with absolute precision, optimizing the space in the channels by a very compact pallet positioning.

PERFORMANCE NEVER SEEN BEFORE IN REDUCED SPACE
The exceptional positioning control significantly increases the performance of the entire warehouse: up to two ESMARTSHUTTLE can operate on the same aisle, both operating with two satellites each. The intense storage flow is accompanied by an incredible volume saving, rationalizing operations and reducing vertical dimensions.

BORN TO BE FAST
Who said that absolute precision and speed could not coexist? Both shuttle and satellite are result of the combination of precision and high speed to increase performance while maintaining optimum efficiency.
QUALITY FIRST

Designed, produced and tested in Italy using top quality components from the best worldwide brands.

THERMAL EXCURSION

Designed to work in automated warehouses of any sector, it can operate in critical thermal conditions, from -30 °C to +50 °C (-22 °F / 122 °F), maintaining its exceptional performances.

POWER SUPPLY

Shuttle and satellite have their own independent power supply, which allows a complete autonomy during their missions. The lithium batteries of the machines are recharged in masked time, keeping them always ready, also in warehouse working 24/7. Depending on the application, shuttle can be powered by bus bar or by a latest generation lithium battery.

TAILOR MADE

ESMARTSHUTTLE is the solution designed ad hoc to meet the characteristics of the warehouse. In addition to a total aesthetic customization, Eurofork develops special versions of ESMARTSHUTTLE able to handle loads having non-standard sizes or weights up to 2 tons.
SMART MANAGEMENT

The WCS (Warehouse Control System) specifically created for ESMARTSHUTTLE allows a total control of the machines, battery included, plus conveyors and elevators management. Its dynamism allows it to perfectly adapt to the customer’s needs, with an intuitive interface to use and being capable of storing a big amount of data for analysis.

WCS LITE

It is the basic version of the control software that execute orders received from the upper level software and allows a remote control of all ESMARTSHUTTLE functions without any limitation. The operating panel and a synoptic layout show in real time the status of the warehouse, the positioning of the machines and their movement.

WCS PLUS

This most advanced version of the software provides additional functions for optimization and storage efficiency, making it the real warehouse decision maker able to interact with the user’s ERP.
ALWAYS BY YOUR SIDE

Every detail of ESMARTSHUTTLE has been designed to make it a highly innovative and efficient solution, but also practical in its use. For this reason, the machine has been developed to allow quick and easy inspections and replacements during maintenance sessions. Each machine can be driven through a manual joystick connected to the appropriate connector on the machine.

THE ASSISTANCE

Eurofork offers a wide variety of service solutions to meet the specific needs for keeping your equipment operating at peak performance. The customer service department supports the clients remotely or with on-site interventions in short times thanks to the worldwide presence of the technicians. The service team also carries out training courses for routine maintenance and provides predictive analysis and maintenance to improve the product efficiency.
Each automated warehouse is different from one another as each building has well-defined structural characteristics and each project has different requirements, e.g. in performance.

StackerSAT is the result of Eurofork’s mechatronic experience to meet the needs of multi-depth warehouses where the stacker crane is still the preferred solution.

The innovation, reliability, product solidity and high market value of StackerSAT are certified by EPoSS with the Smart Systems Integrated brand.
8X8

Its eight-wheels drive ensures uniform traction and great stability even during the transfer to the stacker crane frame.

NEVER GIVE UP

The latest generation lithium batteries ensure continuous operation, guaranteeing that multiple machines can work 24/7 on the same stacker crane.

TOTALLY CUSTOMIZABLE

The StackerSAT positioning can be made by:
- using the patented solution with DataMatrix
- using traditional technologies such as encoders and photocells

DIFFERENT PALLET SIZES

StackerSAT is programmed to manage, even in the same channel, loads with different sizes without any cycle interruption.
Accordingly to the situation, StackerSAT is available in a wide range of versions.

FREEZER

The perfect version for warehouses with sub-zero temperatures, maintaining optimal performance down to a temperature of -30 °C [-22 °F].

NARROW

Smaller in size, the StackerSAT Narrow is ideal for handling pallets smaller than the standards most frequently used worldwide.

2 TONS

Bigger than the normal StackerSAT, it is capable of lifting loads up to a weight of 2 tons (4,400 lbs).
FIT FOR YOUR LOGIC

Stacker-SAT is able to work optimally with both LIFO (Last In First Out) and FIFO (First In First Out) logics.

FIRST CLASS

Totally made in Italy with components of the most worldwide valuable brands, Stacker-SAT is entirely tested in Eurofork headquarter.

THE HIGHEST PERFORMANCE FOR YOUR LOAD

Safety first. Stacker-SAT performances vary depending on the load characteristics: when the load stability is optimal, it can reach an outstanding maximum speed.
Eurofork products are completely designed, manufactured and tested in Italy. They are installed and serviced by a network of qualified partners. Find out your local contact, videos and more information on the web page.