

WOOD
TECH
INTRALOGISTICS

ADVANCED SOLUTIONS FOR STORAGE, HANDLING,
AND AUTOMATED MANAGEMENT OF PANELS, DOORS,
AND FINISHED PRODUCTS.

POWERED BY
NATURAL
INTELLIGENCE

VISION

Powered by Natural Intelligence

At Cassioli, we look to the future by valuing what makes us unique: people's natural intelligence, the ability to understand contexts, collaborate, solve complex problems, and make effective decisions. In this journey, artificial intelligence does not replace human ingenuity but supports and enhances it: it is an advanced tool at the service of expertise and strategic vision. By integrating AI and technological know-how, we design and implement tailor-made, reliable, and results-oriented solutions, with the goal of improving processes and generating lasting value for customers and stakeholders.

MISSION

Cassioli believes in the importance of continuous research and innovation. We create high-quality products capable of working in synergy with one another to create integrated and efficient systems, with attention to every single detail. Thanks to our entirely in-house know-how and personalized service, we provide complete systems including the electronic control systems responsible for managing different segments: from material handling to the storage of raw materials, semi-finished, and finished products; from the handling of materials and objects in production processes to the preparation of orders and shipments. All this, with competitive costs and high-performance customized solutions.

WHO IS CASSIOLI

Cassiole is an international group specialized in advanced industrial automation and intralogistics solutions. We design and manufacture semi-automatic and fully automatic systems, managed by dedicated software, to optimize storage, handling, and production processes.



CUSTOMER VALUE

Greater efficiency, more control, more operational continuity

In the wood sector, automation allows for the management of heterogeneous products, increasing storage capacity, reducing manual handling, and improving the control of internal flows. Cassioli develops customized solutions to make processes faster, safer, and more reliable.



**SPACE
OPTIMIZATION**



TRACEABILITY



**HANDLING
SPEED**



**ERROR
REDUCTION**



SAFETY



APPLICATION AREAS

Where we operate in the wood sector

Cassioli solutions cover various application areas of the wood sector, from the management of panels and doors to the storage of finished and assembled furniture, up to shipment preparation.



DIFFERENT APPLICATION AREAS



Panels: Automated systems for the handling, manipulation, and sorting of panels of any size

Doors: Lines dedicated to the transport, manipulation, and assembly of finished doors and frames



Stacks Warehouse: High density automated warehouses for the storage of stacks of panels and semi finished wood products.

Finished Product Storage: High density automated warehouses for optimizing the storage and handling speed of finished and assembled furniture.

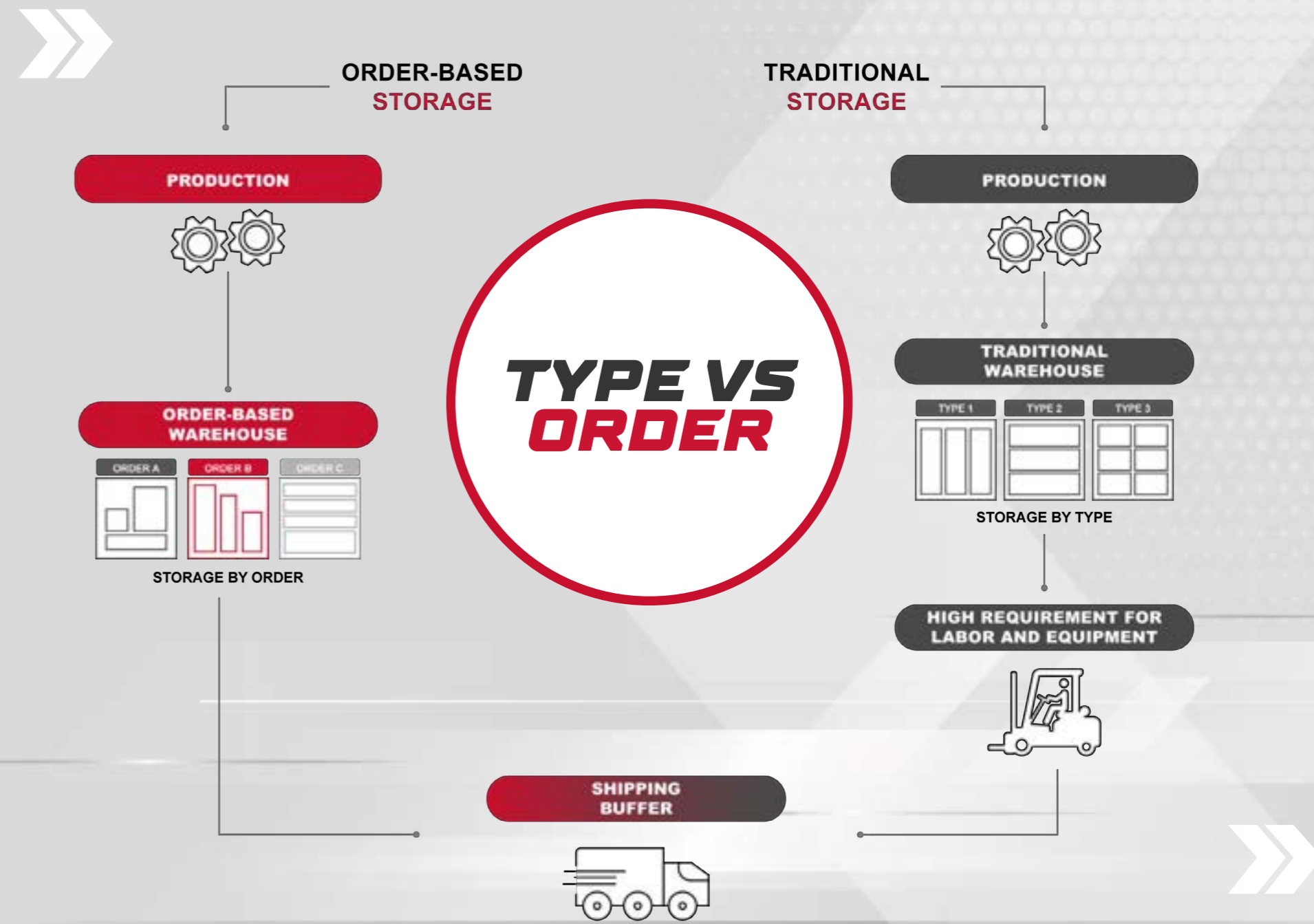
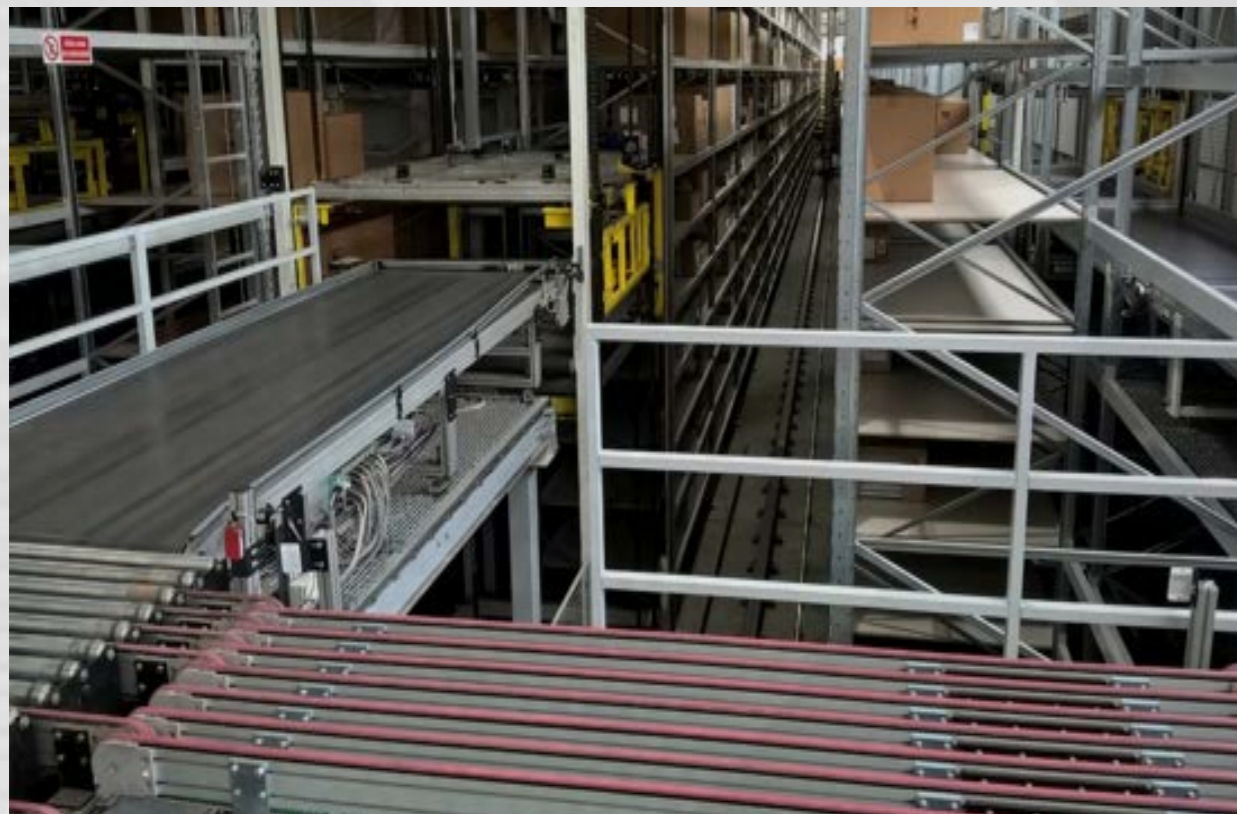


Automated Handling: Intelligent connection of processes via conveyors and AGV-LGV (Autonomous Guided Vehicles).

F.A.ST. - Furniture Automatic Storage

Finished Product Storage

The **F.A.ST. system** is designed for the automated storage of finished products and efficient order preparation. The system groups items belonging to the same customer order in the same location, **optimizing warehouse space** and **simplifying the picking and loading sequence.**



AS/RS FOR PANELS AND DOORS

Cassioli creates automated storage and handling systems for panels, doors, and semi-finished products, designed based on the customer's dimensions, weights, capacities, and production logic. The goal is to ensure continuity, accessibility to materials, and maximum space-utilization efficiency.



STACKS WAREHOUSE

Cassioli creates stack warehouses where goods are stored in vertical piles, optimizing the available vertical space. This system allows for increased storage capacity without expanding the warehouse floor area.



AGV-LGV AUTOMATED VEHICLES

AGV-LGV autonomous guided vehicles are an extremely flexible solution for moving goods and an excellent alternative to conveyors and manual forklifts. Automated vehicles ensure total integration with the high level information system used by the customer (Customer, Host, departmental system, SAP, etc.) and other management systems or devices, such as forklifts, robotic cells, palletizers, assembly lines, and automated warehouses.



OPERATIONAL BENEFITS

Why choose Cassioli automation

Cassioli solutions help companies in the wood sector improve operational performance in a concrete way: higher storage density, more orderly flows, less dependence on manual activities, better order management, and increased overall plant safety.



Maximum
storage density

Orderly and
constant flows

Total real
time control

Total plant
safety

Zero errors,
maximum
precision

REFERENCES



Application experiences in the wood sector

Over time, Cassioli has developed dedicated solutions for various players in the sector, with applications related to panels, doors, semi finished products, and finished products. These references demonstrate the ability to adapt automation to the specific production and logistical needs of each customer.





Storage and handling of finished and/or semi finished doors.

Multi depth storage and automated manipulation for stacks of large-format panels.



Panel stacks AS/RS. Application in the kitchen sector with a focus on efficiency and flow order.





Storage and handling of finished and semi finished doors.






High density storage warehouse for stacks and panels; customized AGVs for heavy loads.



Integrated handling and storage logistics for the entire production process in the furniture and kitchen sector.



Automated management of stacks of large format and high weight panels.




Optimized solution for the storage of wood panels and processed lumber for the furniture and interior design industry.



Efficiency improvement of production flows and storage in the door sector.



GLOBALLY PRESENT

LOCALLY INVOLVED

Cassioli is an international group providing systems for industrial handling and automation. With 4 different production sites, offices, and commercial partners worldwide, Cassioli is divided into 7 divisions: Intralogistics, Ceramics Intralogistics, Manufacturing, Airport, Tire, and Service. Whenever it is necessary to transport or manipulate finished products, semi-finished goods, component kits, or raw materials in a more or less

automated way, Cassioli is able to offer the most suitable transport or storage system in terms of operational capacity, cost, safety, and ergonomics. Automated warehouses, assembly and service lines, testing systems, laser or inductive guided vehicles (AGV - LGV), RGV rail guided vehicles, picking systems, and robotic cells with vision systems, as well as handling systems equipped with roller, chain, slot, belt, or strap con-

veyors. The ability to rely on such a wide yet specialized internal production allows Cassioli to offer the customer the most effective solution based on their specific needs.

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