

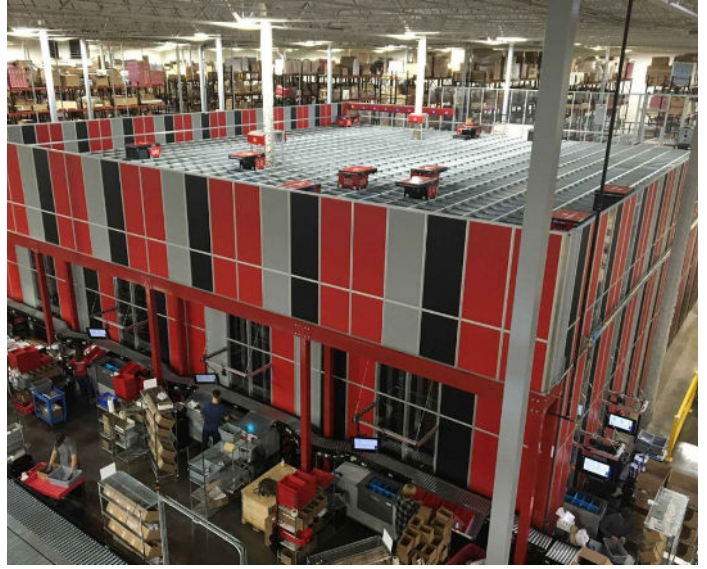
3PL case story

For one of the largest 3PLs in the world, it is of vital importance to be able to process orders at lightning speed. In order to make this efficient order fulfilment possible, Lalesse has equipped the 142,000 square metre distribution centre with an AutoStore solution that uses a picking robot.



“Our distribution centre is praised within our own organisation for its innovative and efficient order fulfilment using warehouse automation solutions.”

Manager Business Development



Fast, accurate robotized storage and retrieval

Third-party logistics

From the campus, companies operating in high-tech, retail and industrial production are taken care of. By arranging activities from storage to delivery for them so that they can focus on growing. As a third-party logistics supplier, electronic components of a renowned brand for the European market, are prepared for transport, to name just one example.

Efficiency and reliability

The distribution centre is therefore designed for more efficient and reliable order processing and is equipped with the necessary warehouse automation solutions. Thanks to **AutoStore's** automatic storage and order processing solution, it is not only possible to store almost 4 times as many products, but robots fetch and bring the goods to the workstations at high speed. On a floor space of less than 500 m², an aluminium construction was realised in which 1,000 stacks of 16 totes could be placed. By also using bins with compartments, they are now able to stock 9 days' worth of over 15,500 different electronics parts in the AutoStore.



AutoStore benefits

Following the installation of AutoStore, all single item products were moved from the warehouse shelves to the new system, increasing storage capacity and picking efficiency. Previously, operators had to walk through the aisles to pick goods. The AutoStore system uses the “goods to person” principle, saving time and securing the process.

Other benefits that played a role in the choice of the system were the ability to take on new customers quickly and, of course, the efficiency of the system. “We can keep the logistics costs of the system low for our customers and therefore offer them a competitive price. With AutoStore, we can market our fulfilment services more competitively and attract more customers.”



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Met dezelfde mensen verzetten we veel meer werk.

AutoStore system

Surface area: 500 m2
Number of bins: 16,000
Number of robots: 29
Number of workstations: 9
Output: 150 - 200 picks per hour per station
Completion: 2021

Robotic order picking doubles throughput

To meet the desired high throughput rate, 29 R5 RedLine robots transport products to one of the 6 CarouselPorts and 3 ConveyorPorts in a timely manner. As an efficient addition to the order picking team, a **pick robot with**

3D vision technology has been installed at one of the CarouselPorts, capable of handling the wide variety of shapes and sizes of electronic parts without any problems. The system connected to the Lalesse **LogiCS warehouse control software** even enables double order processing.

A **conveyor system** then provides a seamless transition to an error-free and efficient sorting system with optical reading of packaging labels.

Thanks to the warehouse automation solutions realised by the team of experts of Lalesse, the distribution centre is praised within its own organisation for its innovative and highly efficient “state of the art” automated storage and order picking system.



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Account manager Eric Beelen explains

“It is great to see how this customer has prepared the organisation for a new, automated way of working. With the AutoStore, they have a very strong fulfilment offering that allows them to serve many new customers. By automating the logistics, they are able to keep the cost of the system down and therefore market their fulfilment services more competitively. As a result, they are able to attract more customers. The distribution centre is therefore praised within its own organisation for its innovative and efficient order processing.”



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