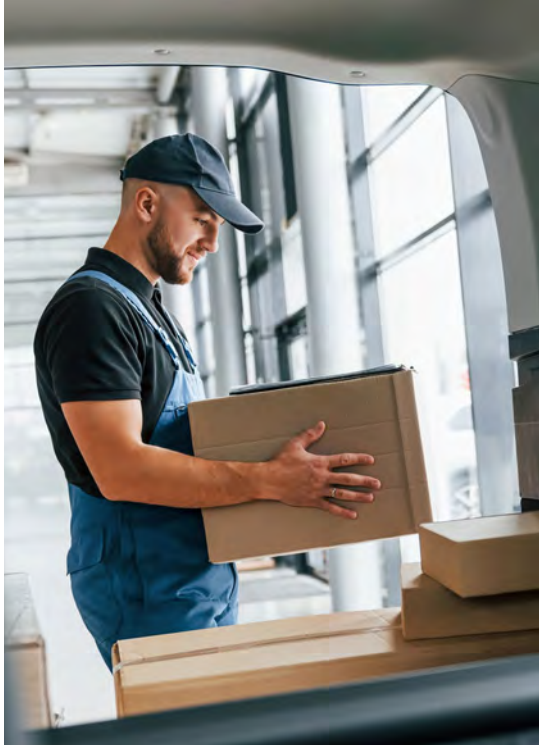
AutoStore

Speed, Density and Accuracy

A Unique Combination to Meet Warehouse High Throughput Fulfillment Requirements.



AutoStore warehouse automation is the go-to technology for companies, such as e-commerce and 3PL providers, requiring large-scale facilities that can house and process a broad selection of inventory at an ever-increasing pace to meet customer demands and expectations.

For sites where high throughput order fulfillment is paramount, AutoStore provides:

Speed:

Our automated storage and retrieval system (AS/RS) is also the world's fastest goods-to-person (GTP) system per square-meter, making it ideal for high throughput (HTP) fulfillment. Our Router™ software continually evaluates and recalculates every Robot route to make sure each Robot is taking the optimal path to its target destination.

Density:

The modular, cube-based system can be built in any shape, form, or height to fit it into any space, enabling maximum storage density of four times the capacity of conventional systems up to 16m in height, with the possibility to double stack grids.

Reliability:

As sites grow, uptime becomes increasingly critical. Measured across some of our highest throughput installations with 1,200+ Robots and 1 million+ Bins, average uptime is maintained at a staggering 99.5%, compared to an average of 99.7% across all Autostore installations. There is no single point of failure and the AutoStore system can be expanded over time, without shutting down operations.

Our Unify Analytics™ software provides you with a full overview of your AutoStore system at all times giving you faster and deeper actionable insight and trends, allowing you to reduce wasted time, eliminate human error, optimize system performance, and fuel business growth.

High Throughput with Efficient Cutoff Times:

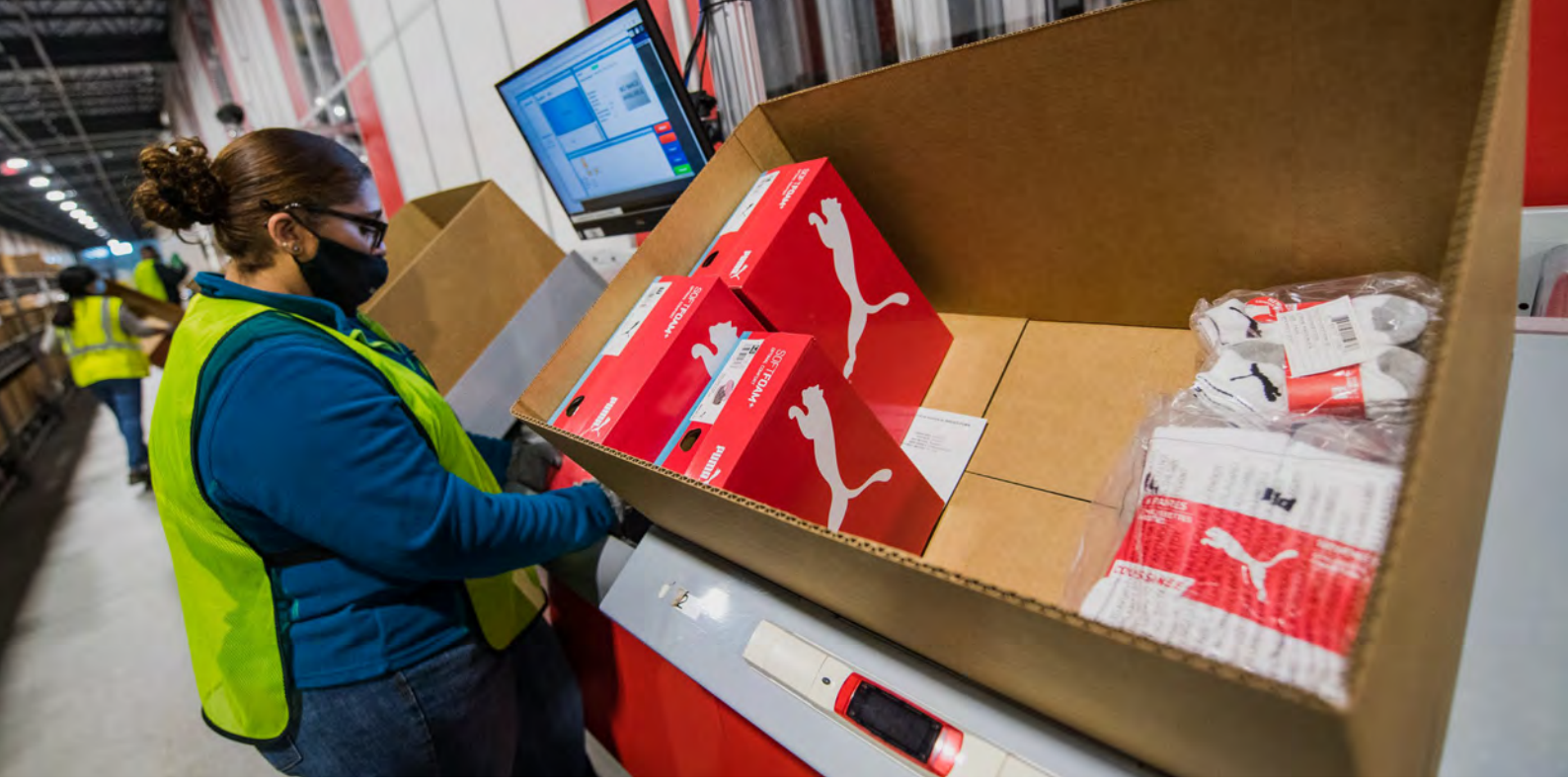
Achieving high throughput doesn't mean sacrificing shorter cutoff times. In large e-commerce operations, regular cutoff times typically fall between 30 to 120 minutes. Rush orders are prioritized and expedited, bypassing the standard queue. With AutoStore, rush orders are processed swiftly, taking around one to four minutes to complete. This rapid processing enables rush orders to move quickly from processing to shipping docks.

Unparalleled SKU Access:

The AutoStore provides full access to an enormous range of SKUs, ranging from 5,000 to over 1 million Bins. Even at these high throughput rates, the simplistic design provides access to the entire stock with flexibility to reach every Bin with every Robot, and consolidate all order lines in every workstation, allowing for remarkably simple but powerful results.

Cutting-edge Hardware and Software:

On the hardware side, high-speed workstations (Ports) such as the RelayPort™ can handle up to 650 Bins per hour or even higher with batch picking. The R5Pro™ Robot enables uninterrupted, multi-shift operations, through its fast charge capability, increasing the productivity of each robot by around 14% in a multishift environment, and reducing the number of chargers needed by 86%, giving more space to store goods inside the grid. On the software side, efficiency is monitored and improved by our intelligent Router™ software and console interface, as well as our monitoring software, Unify Analytics™.



Global Validation and Proven Expertise

Many of our customers are enjoying high throughput capacity with incredible results. Here are some examples:

- THG Plc are picking up to 500,000 items per day out of a single AutoStore system holding 20 million units in stock.
- E-commerce company, Boozt, has one of the world's largest and fastest AutoStore installations with 1,150 Robots and 1 million+ Bins, giving them the ability to handle 140 items per hour, per operator through a single-touch pick and pack process.
- 3PL provider, Geodis, are fulfilling 460,000 order units per day for their clients.

Case Examples include:

Boozt.com — View case →

PUMA — View case →

JD

THG INGENUITY — View case →

GEODIS — View case →

"With the AutoStore system, at GEODIS we are able to fulfill over 460,000 order units per day for our clients, accelerating our click-to-ship time from an average of three days to less than one day."

Drew Bailey, VP of Design Engineering, Geodis