



PACKAGING AUTOMATION

4 REASONS TO CHOOSE IT



Packaging plays an essential role in logistic, not only in the warehouse but also in the transport of the products to their final destinations. It fulfils several functions from ensuring the safety of the shipment, to the protection of fragile products, to its reuse, should the customer send the product back. In addition, its role in facilitating order preparation operations and in being a vehicle for the company's brand image should not be overlooked. The packaging process, which is traditionally manual, can lack fluidity and

create bottle-necks that have a negative impact on overall logistics efficiency. In the light of the above and to ensure good warehouse performance and responsiveness, automating the packaging process is a relevant solution for reaching high quality and service goals. To achieve this, packaging automation must go hand in hand with specific responses to the reduction of unused space in the parcels and the securing and wedging of the products.

Here are 4 great reasons to get started!



1

INCREASE WAREHOUSE PRODUCTIVITY



Effective management of performance and responsiveness doesn't just apply to order preparation; it also includes packaging operations, which are equally critical. Manual processes, commonly used in many warehouses, can quickly become bottlenecks. Inefficiencies in packaging can lead to delays in shipping products, resulting in extended delivery times for customers.

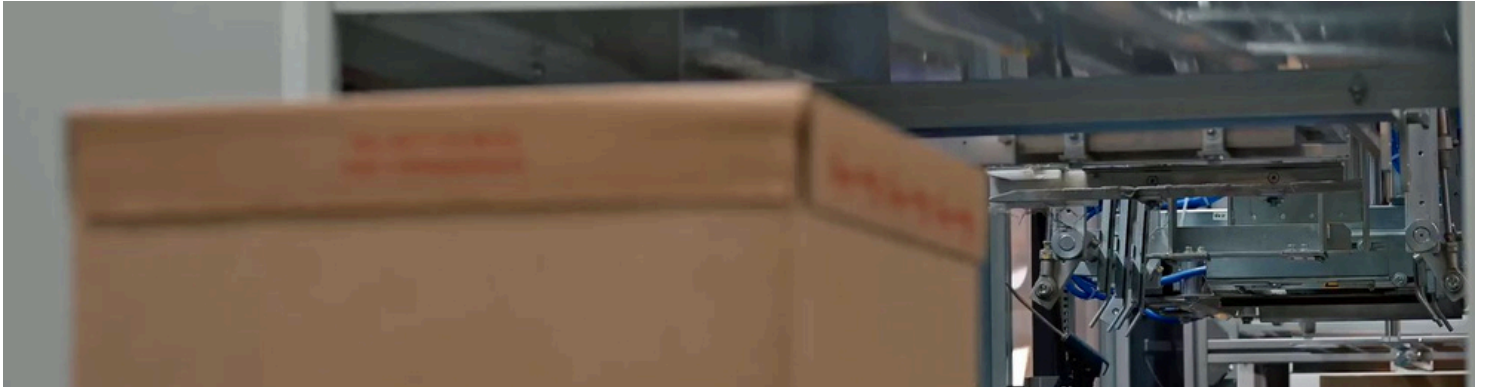
Therefore, optimizing packaging operations is essential to avoid these bottlenecks and ensure timely deliveries, thereby improving customer satisfaction and the overall efficiency of the supply chain.

THE ADVANTAGE OF AUTOMATION

Packaging process automation offers significant advantages by not only reducing downtime but also optimizing the flow of parcels from the picking area to the shipping area. By integrating automated systems, it becomes possible to more precisely coordinate order preparation with carrier departure schedules. This synchronization allows for the efficient processing and shipping of even last-minute orders.

By streamlining operations and minimizing interruptions, automation enhances both the speed of order processing and the overall efficiency of the supply chain. This results in better deadline management, fewer human errors, and optimized resource usage, ultimately improving warehouse performance and boosting customer satisfaction.

A POSITIVE ROI



The packaging process involves three major operations: carton forming, product wedging, and carton sealing. Each of these steps incurs costs that must be differentiated between manual and automated processes.

The cost of a manual process is divided into two main categories:

- Labor costs associated with the staff responsible for each operation
- Consumable costs: boxes, adhesive tape, cushioning materials, etc.

The cost of the same process performed using packaging machines consists of:

- Equipment costs: the purchase, leasing, or maintenance of packaging machines
- Consumable costs: boxes, adhesive tape, cushioning materials, etc. (which may be optimized through automation)
- Energy costs: electricity required to operate the machines

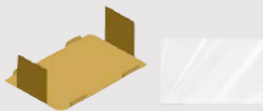
THE ADVANTAGE OF AUTOMATION

The use of automation allows for reallocating resources initially dedicated to packaging tasks to higher-value activities, such as order preparation. This operational realignment results in an immediate increase in quality and productivity. Additionally, it is observed that automating packaging operations contributes to a significant reduction in the consumption of supplies and a noteworthy gain in the space that can be repurposed for other uses.

A DRIVER OF CUSTOMER SATISFACTION

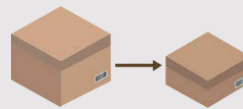


The quality of packaging has a real impact on customer satisfaction. Damaged parcels, broken products, and oversized containers are all issues that harm the customer experience and, more broadly, the brand image of your company.



Wedging

Products are protected during transportation by the addition of suitable wedges



Void reduction

Packaging is adapted to the shipment volume: reduced unused space



adding lids

The use of a lid with easy pre-cut opening enables the parcel to be delivered to the customer in good condition and well protected



Returns

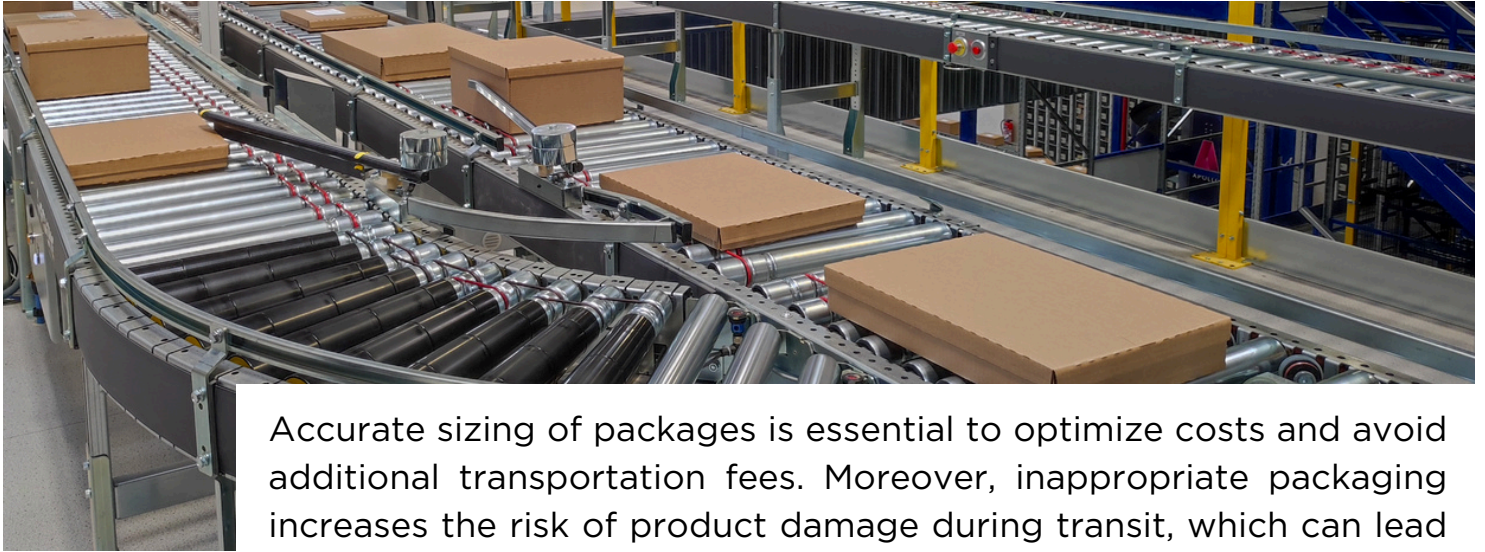
A box designed for product returns to make exchanges easier

THE ADVANTAGE OF AUTOMATION

Packaging automation addresses these issues through solutions, void reduction, and the application of top covers. These improvements ensure that products arrive in perfect condition, thereby reducing complaints and increasing customer satisfaction. By providing consistent, high-quality packaging, you also enhance your brand's positive perception among your customers.

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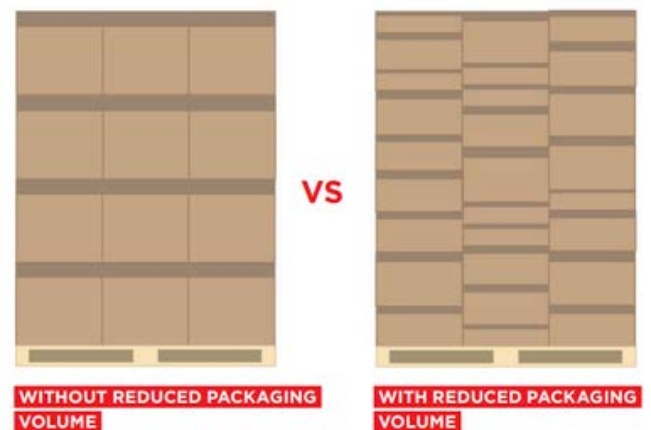
VOID REDUCTION



Accurate sizing of packages is essential to optimize costs and avoid additional transportation fees. Moreover, inappropriate packaging increases the risk of product damage during transit, which can lead to extra costs associated with returns and claims, as well as harm customer satisfaction and your company's image. Precise management of package sizing thus contributes to more efficient logistics, reducing overall costs and improving product safety throughout their journey to the end customer.

THE ADVANTAGE OF AUTOMATION

Packaging automation enables height reduction by detecting the actual fill level of the package. The cutting is then performed before the package is closed. The goal is to ship the minimal volume to the recipient by significantly reducing void space and the transported volume, while ensuring compatibility.



This is compatible with both pick-then-pack and pick-and-pack preparation processes. As a result, it is possible to position more packages in the same truck, thereby contributing to a reduction in the number of trucks on the roads. In contexts where pricing is based on weight/volume transported, reducing void space has a direct impact on lowering transportation costs.

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WHY DOES IT CHANGE EVERYTHING?

Packaging plays a key role in logistics by securing shipments, protecting fragile items, facilitating returns, and reflecting brand image. Often manual, this process can become a hindrance to logistical efficiency. Automation then emerges as a solution to enhance performance and service levels.

#01

THE PRODUCTIVITY

By avoiding bottlenecks caused by manual operations, automation synchronizes order picking, even enabling late orders to be dispatched. This process makes the entire logistics flow more fluid.



#02

THE ROI

Packing includes forming, wedging and closing packages, with different costs depending on whether it's manual or automated. Automation reduces labor costs and optimizes supplies consumption. It frees up resources for higher value-added tasks, and delivers immediate gains in quality, productivity and space.



#03

THE CUSTOMER SATISFACTION

Packaging quality has a direct impact on customer satisfaction and your brand image. By guaranteeing the cushioning, void reduction and security of your package, automation contributes to improving the customer experience.



#04

THE ENVIRONMENT

Packages that are too large entail additional handling, transport and product protection costs. Automation can reduce the void by adjusting the height of packages according to their contents, thus optimizing the volume transported, reducing costs and the number of trucks required.

