

Points to consider for the correct productivity of an eCommerce Distribution Center

Every company that is venturing into the eCommerce business model must take into account the challenges it will face day after day: labor, space, performance and the importance of the logistics processes involved in being able to successfully attend an online purchase. That is why in this article we will talk about the points to consider for the correct operation of a DC eCommerce.



When talking about eCommerce we must be truly clear that it is not only a digital platform, it is the set of multiple logistics processes related to each other.

But ... ¿What is the relationship between logistics and eCommerce?

This relationship is of vital importance, since internal and external logistics processes are the fundamental pillars of electronic commerce. This is due to the growing purchasing needs of the current consumer, which generate a considerable increase in SKUs, the need for high-density storage and maximum traceability of products.

Next, we will talk about the points to consider that support meeting the automation needs to achieve an effective Distribution Center:

Order Fulfillment Optimization

First, it is necessary to identify the technologies that help us maximize the speed of order processing, as well as picking, reducing the time to consolidate an order in minutes.

Flexibility and Modularity

Today, modern distribution centers seek maximum flexibility to scale the system quickly and easily, allowing their operation to be dynamic, managing to increase or decrease *** according to peak seasons or current and future business needs.

High density storage

One of the main characteristics sought by modern eCommerce distribution centers is to be able to maximize storage density, optimizing floor-to-ceiling spaces, exploiting Good To Person solutions such as mobile robots for storage and inventory handling. In this way, they eliminate the need for less efficient mezzanines, cranes, elevators, and other technologies, allowing better use of your existing space without the need to expand or relocate.

Avoid production stoppages

It is important to identify the technologies that guarantee us high durability, in order to avoid production stoppages. However, if a problem should arise with a mobile robot unit, the technology you implement must provide the ability to perfectly identify the fault in order to carry out the repair as quickly as possible and, in the event of a more complex fault, be able to activate a Backup unit while the repair is in progress, avoiding downtime.

It should be noted that this benefit is impossible to obtain when technologies or automation lacking state-of-the-art development are installed, since it is generally required that the system be completely shut down in order to provide proper maintenance, causing production stoppages from hours to days.

All these points help us to evaluate the different options we have to optimize the operation of an eCommerce Distribution Center, with the aim of having the necessary capacity to respond to the short delivery times demanded by the current consumer, managing to meet the needs of modern cities.

¿Are you ready to revolutionize your Distribution Center and meet the needs of your customers?

We invite you to consult our website www.ecommerce.gieicom.com, where you will find more detailed information on the technologies that you can implement to optimize an eCommerce Distribution Center.

Posted by: **G.I.EICOM**
Leaders in Material Handling & Intralogistics Solutions

Material Handling & Logistics Solutions
WE CREATE | VALUE

Technological Tools for Ecommerce

Get the following guide for FREE with the most important tips to ensure logistical success in eCommerce



Download