



Modula for e-Commerce

The ideal solution for any e-Commerce needs



RECOVERS
SPACE



INCREASES
SECURITY



SAVES
TIME



IMPROVES
EFFICIENCY



REDUCES
RISKS



MANAGE YOUR
INVENTORY

What can a Modula warehouse do for your e-Commerce business?

For anyone with an **e-Commerce** business, it is essential to store products for sale online in a clear, ordered and consistent manner. These are products with a fast turn-over, or others which sell only occasionally, or others with long preparation times. All of these different dynamics can be made simple and kept under control by using Modula vertical warehouses and WMS software. There are also seasonal variations linked to fluctuating demand which carry financial costs when this means having several warehouses or more space at certain times of the year.

Correct logistics management in e-Commerce can really make the difference between the success and failure of your online store.

Modula is the solution for:

- saving a lot of storage space by utilizing the height of your warehouse
- better product preservation
- helping you iron out any differences between current stock levels and sales
- having the products available that your customers want
- preventing errors during order preparation
- speeding up dispatch
- reducing returns due to errors
- simplifying inventory operations
- improving stock level management
- saving operator effort
- improving operator working conditions



You can't operate without an organized warehouse

With Modula, you can separate your goods across different trays to best suit your order preparation system. For example, order by:

- brand
- product type
- size/color/price
- product rotation frequency or lifecycle

Using separators and dividers, a single tray can hold lots of different items which are uniquely identified by the Software mapping system.

With a vertical warehouse, all your materials are located in the same place and your operators no longer have to walk needlessly from place to place.

Picking and refilling operations are carried out in the picking bay which is located at the ideal ergonomic height for the operator. The tray can be manually called to the bay (using the touch screen console) or automatically by remote control. In this case, it is controlled by the WMS software connected to your ERP systems. At the end of each picking and refilling operation, a confirmation of the operation is requested. This allows the warehouse to continue operations or update stock levels if fitted with WMS software. Moreover, with the dual bay the next item can be waiting to arrive into the bay while processing the preceding item. This significantly increases throughput and obviously eliminates any movement by the operator who has everything in the same place.

Keeping an eye on security

Does your e-Commerce business handle valuable materials?

Do you want to be sure that your goods are safe from wandering hands?

Modula can limit access to trays and products using dedicated logins and passwords or EKS, BADGE or RFID readers.

You can track all product movements at any time.

Controlled logins



Badge reader



EKS Reader



RFID reader



Your warehouse will be like a Swiss clock

All your stock with one click

Disappointed customers who don't receive their order or who realize that the latest product is not available, or who receive an email telling them that the product is unavailable after they've ordered it are completely avoidable problems if your warehouse is properly managed.

By inserting a Modula warehouse into your company systems, you can easily integrate it with whatever

software you are using, and this will allow you to:

- make regular checks on incoming and outgoing items and update warehouse stock levels
- properly organize stock by dividing it according to various specifications, such as model, size, dimensions, colors
- manage or more easily arrange minimum stock levels which may restrict the sale of products very close to running out
- control theoretical stock levels and keep them aligned with real or desired levels including using stock adjustments
- keep the alignment of physical and system stock levels under control

These operations allow you to manage orders properly and update the system **just in time** as orders are processed.



No mistakes

Accurate management of warehouse movements and correct order preparation are fundamental to having fewer returns and maintaining your customers' expectations. Picking precision is converted into a significant cost reduction as it is a reflection of the accuracy of your orders and the punctuality of dispatch to the final customer. Modula drastically reduces picking errors as it guides the operator during picking and refilling operations. Visual aids such as the Laser Pointer, LED Bar, Alphanumeric Bar and Barcode readers represent a further help which make picking more accurate even for the least expert user.



This is installed in the upper part of the operator bay. When a specific section of the bar is illuminated, this indicates clearly which section of the tray is involved in the picking/refilling operation.



In addition to the LED Bar, this device provides further information about quantity, item code, description and position along the Y axis (depth).



This is a 2-axis pointer. The material is indicated by the intersection of a red holographic line (X axis) and a green spot (Y axis). This point unambiguously identifies what is to be picked.



This option improves picking accuracy by ensuring that operators select the correct materials. It can also be used to confirm orders. It is wireless and therefore easy to use anywhere.

Packaging and dispatch

Products arrive at their destination intact

A customer's opinion is formed when they receive the product in its packaging. This is your marketing tool. Packaging aesthetics and design are important to the final customer's experience. In order that it arrives intact, it must be stored away from humidity, dust and dirt.

With Modula, you can also store packaging made up of various materials, volumes and dimensions, and reduce the margin for error also when dispatching to the customer. This means **fewer returns, fewer problems, fewer shipments and improved customer satisfaction.**



The correct packaging at the correct moment

Are the goods ready but the packaging isn't?

Dispatching throughput is decisive for e-Commerce and plays a fundamental role in the success of a business. For this reason, everything must be ready at the right moment and in the right place. Packaging, labels, protective materials and boxes are integral parts of the order and must be available at the same time as the order. This also optimizes the weight/volume ratio and cost of transport.

With Modula, you also control stock levels of packaging and manage them intelligently. A vertical warehouse rationalizes what you need without locking in unnecessary costs.

Using a Modula system means that you only keep what you need, in the right size and quantity to avoid obsolescence and waste.

Modula as a buffer?

Orders to be completed, returns, materials in stand-by or partially complete or seasonal products: Modula is the solution which can also create a temporary store which is organized and clean, for example within your returns reception area.

It can interface perfectly with other automatic transport systems to relocate goods re-entering the warehouse.

Dynamic management of load heights allows you to have optimum storage in your warehouse.

This means that the warehouse automatically checks the height of incoming materials, checks the amount of available space inside and deposits the tray in such a way as to reduce any empty space between one tray and another.

There will therefore be no "dead space" and all your vertical space will be optimized.



References

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GRUTINET
JOHNSON PLASTIC
OTK KART.
PACO PERFUMERIAS
RANGER INK
SUNNY EUROPE
XACUS

BENELUX
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