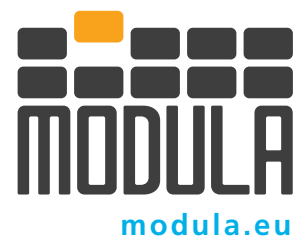




CASE STUDY

MODULA AT SUNNY EUROPE
BELGIUM



How Modula improves SunnyEurope Activities?

ABOUT SUNNY EUROPE

› Inbound

WORKFLOW

The suppliers deliver the goods by trucks that are received in the inbound section of the warehouse.

The operators receive the material like cigarettes, clothes, watches, jewelry, drinks, food, perfumes and all the items that you expect to find in a duty free / in an ecommerce website.

The materials are then assigned to different sections of the warehouse according to their dimensions and type. The bulky ones goes to the manual pallet rack section some of the small ones (the cheapest and slow movers) go to the manual picking shelves, the rest (i.e. small, expensive and fast movers) go to the Modula Lifts.



There are **4 different sizes** of compartments in the Lifts and each can contain a specific quantity of certain items.



The logistic operator scans the barcode of each received item and if it is already coded in the system he gets from the WMS software a proposal of the right blue box dimension and the right quantity to put away. He then puts the items in grey bins (one single code for each bin) that through a conveyor system are routed to the Modula Lifts.

Depending on the space available, indicated by the WMS, the operators have to refill the Modula trays; so they catch the items and they put into a bin to the Modula by a conveyor belt.

Modula manages all the fast rotation items (that are stored for a maximum of 2 month of deposit) and all the small products.

500 m² TO 43 m²

270

LINEAR METERS OF CONVEYOR-

12

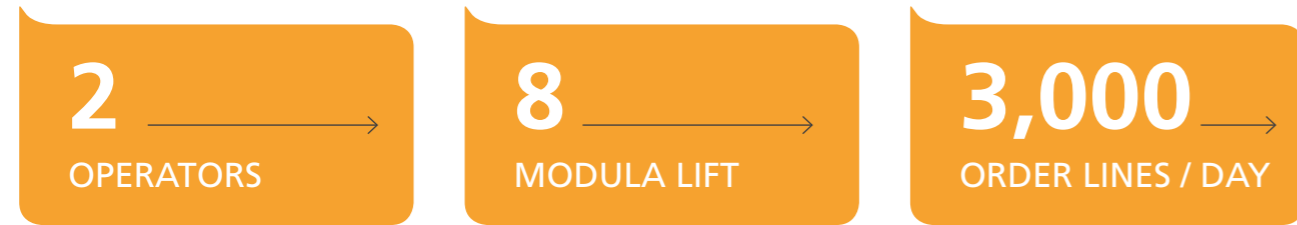
DIFFERENT SORTERS



› Outbound

The **Outbound process** is strictly linked with the Modula Lifts. They are always loaded with materials ready for the shipments.

4



Graphic LED Bar, Laser Pointer, Copilot with Sliding Console, External Operator Bay with Dual Tray Delivery Level

Vanas Gigasoft outputs the order list into a format that the operators know easily what they need to do or pick and this list is printed and placed into the bins.



› Now there are **3 possibilities**

1. All the requested items are in the Modula so the empty bins are sent to the Modula operators in the Modula area.

Before Modula
35 order lines / hour x warehouseman

2. There is a mixed order. It means that some items are in the Modula and some others in the traditional manual warehouse. The bins with the printed order list are managed by an operator with a cart that makes the manual picking in the big traditional manual warehouse.

With Modula
Up to 220 order / line

6

Once this part of the picking is complete, he puts the bin on the conveyor and sends them to Modula area so the order can be completed with the remaining items. The items are then packed with a packaging machine that makes customized boxes just in time.

- › 4 pick stations, each with 5 Drop-To-Light indicators
- › Stock correctness
- › 0% errors
- › low dust and clean products
- › ergonomie

Boxes completed are labelled and ready to be shipped, then routed to different belts matching different destinations.

3. All the items in the order are very big and these big packages are directly sent to the consolidation area to be shipped.

8 Modula Lift ML50D
8 m high
500 m² in 43 m²





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