

## MODULA GREEN



A special inverter inserted between the machine switch and the electrical board performs a double function of energy stabilizer and generator.

Along with stabilizing the power supply voltage of the machine, **Modula Green** further respects the environment by recycling the energy generated by the descending movement of the lift that would otherwise be lost in the form of heat. This provides an energy savings of up to 40% and a short-term return on investment.

## AUTOMATIC DOOR

The **Modula VLM**, can be supplied with an **automatic door**, which is available in all configurations and machine models of the Modula VLMs.

Its use is for aesthetics as well as to **protect the inside of the machine**; it becomes required for the internal dual delivery or for units that have more than one picking bay (external or internal) at any height or configuration. The door unit is mechanically composed by a drive shaft, connected to the drive system through a drive belt, which acts on the rack placed at the sides of the door, activating the opening and closing movement.

There are also two micro switches that, if activated by the corresponding cams, inform the control unit that the automatic door is open or closed. The electromechanical part is made of an asynchronous engine controlled by a 0.55 KW inverter.



## TRAY EXTENSIONS & PARTITIONS

Partitions are useful for containing or dividing material in outlined trays. The extensions for the tray's edges are used to contain bulky materials.

Partitions and dividers can be used to obtain maximum flexibility in re-configuring the trays when requirements change. The trays are able to be configured to have slotted perimeter walls, with slotting on 20 mm (0.79") increments to utilize the partitions and dividers.

The number of slot locations varies depending on the dimensions of the tray, whereas the amount of partitions and dividers used varies depending on your individual requirements.



## X-AXIS LED BARS

Thanks to the aid of the X-Axis LED Bar, the compartment of interest is identified during picking or replenishment operations.

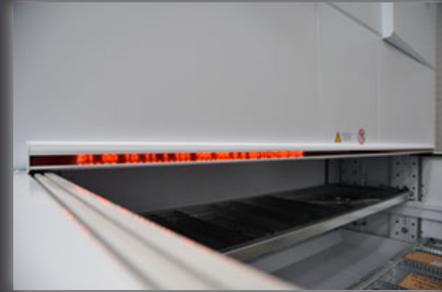
Its function is to aid the operator in indentifying the item to be picked or placed, by visually indicating the correct position of the item across the X-Axis (width) of the tray.



## ALPHANUMERICAL BARS

Easily identify the position of an item on the tray and any additional information from a high resolution display.

The **Display Bar** has all the advantages of the X-Axis LED Bar with the additional benefit to display further information such as an item's name, description, part number, etc.



## SLIDING CO-PILOT CONSOLE

Because it can be moved from one side of the picking bay to the other, near the actual picking point, the sliding co-pilot console makes picking/replenishment operations at the tray even easier.



## PANELED STRUCTURES FOR OUTDOOR INSTALLATIONS

These structures allow the Modula to be installed outdoors to further use vertical space. Included with this option is the self supporting structure and the exterior paneling.



## MANUAL TROLLEY

The manual trolley allows operators to completely remove a tray from the unit. Trays can be moved around for off-line inspections of parts or to make the parts available in remote areas of the facility. Operators can keep the Modula running simultaneously for other operations.



## PUT TO LIGHT SYSTEMS

Thanks to light displays in combination with a workstation or flow lanes, it is possible to direct the picking via light directed locations in order to organize the picked pieces into batches intended for the same order. Potentially pieces are coming from different machines and are combined at a single area called a pod.



## BARCODE READER

An ideal tool for further confirming the item being picked or vice-versa. It can be used as verification of a replenishment /picking task and for user login on the machine.

Through the use of barcode readers Modula is able to identify all operators and supply customized access to trace all picking operations. Without the limitations of cable type devices, the wireless barcode reader offers a safer, more effective environment with great mobility, while providing reliable data collection outside the range of the workstation.



## BADGE READER

A USB Badge Reader can be directly connected to the Co-pilot by means of a USB port. The badge reader gives further control over the user login. The operator must swipe his or her own company badge to be able to access the machine, thus preventing access to unauthorized operators. The **MSR210U Badge Reader** is able to read single, double or triple traces enabling the ISO, AAMVA and DMV card reading.

## PIECE COUNT SCALE

The ability to identify the number of pieces depending on the unit weight of the individual piece is ideal for storing large amounts of components with reduced dimensions.

This allows the operator to quickly select the required quantities during picking and replenishing activities. The scales can be single platform with a **capacity of 6.6/13.2/33/66 lbs** or double platform, used for weighing items with different features.



## LABEL PRINTER

It is possible to print customized labels with specified information relating to the stored material.

During picking or replenishing operation, the operator can enter the desired information through the co-pilot console and **immediately print the information out in label form.**

