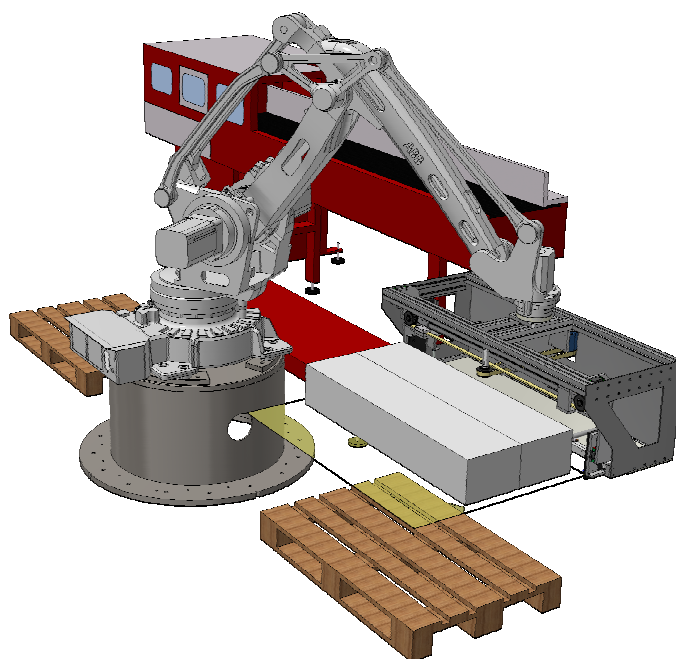


VENUS ALPHA 681

ALPHA 681-... ROBOT DE-PALLETIZER



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DESCRIPTION OF OPERATION

Alpha 681 is studied to automatically de-palletize sewn book blocks and gauzed products.

Alpha 681 allows to eliminate the workload of operators in the step of the working process when it is required to remove products from the pallet to insert them into the following phase.

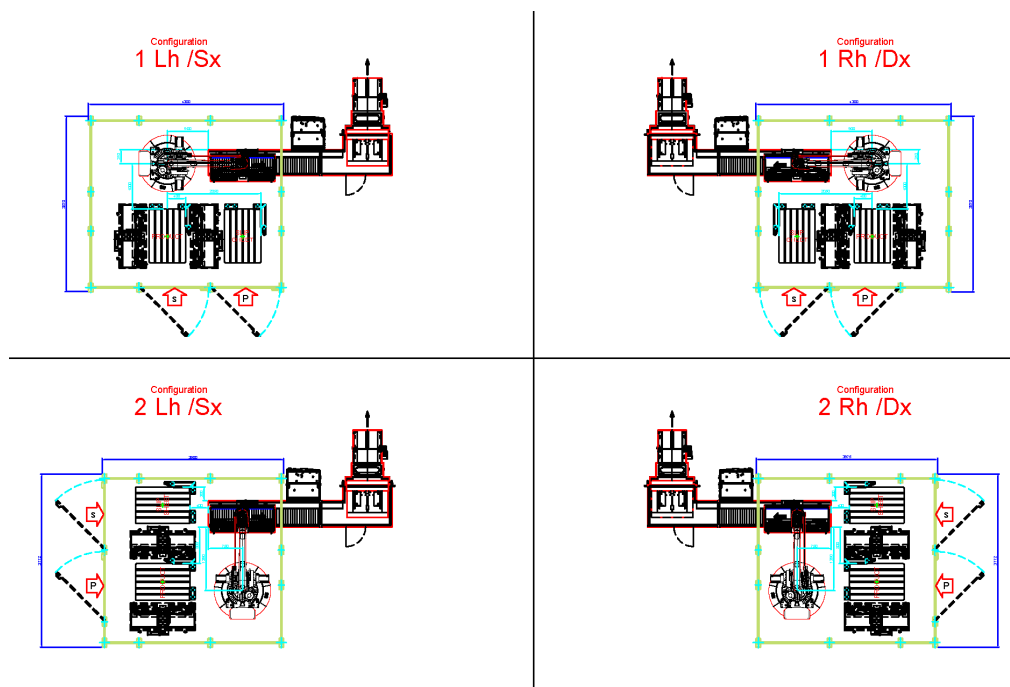
Thanks to it, it is possible to de-palletize products without any effort for the operator with a consequent relevant production increase and continuity in the insertion processes.

The machine is designed to work with a range of different pallets (see above specs) and the product have to be palletized in horizontal rows with the mirrored layers, also to ensure the maximum stability of the pallet itself.

In order to assure the best result of continuity during the process of de-palletizing, it is necessary that Alpha 681-460 receives pallets built with a slip sheet suitable to this application. Slip sheets have to be made with a rigid material that allows the manipulation. Recommended for this application for its characteristics of rigidity and resistance is a plastic material of thickness 1 mm, (slip sheet could be continually reused).

During the process of de-palletizing, after emptying the layers, the Robot stacks the slip sheet neatly on a pallet to be used for the next palletizing operations.

Depending on the available space and the production needs, the machine could have different configurations. Alpha 681 is also equipped with a touch screen panel for loading product data and remotely connected for any type of assistance.



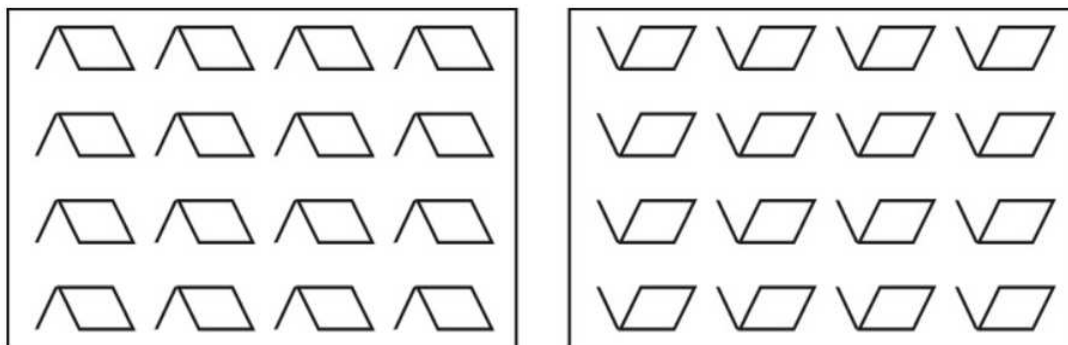
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TECHNICAL DETAILS

Speed of the machine:	max. 4/5 cycles/min.
Size of the row: <i>(length x width x height)</i>	max. 1200 mm x 350 mm x 200 mm (47 1/4" x 13 25/32" x 7 7/8")
Size of the pallets:	type 1 - min. 1200 mm x 800 mm (47 1/4" x 31 1/2")
<i>(length x width x height)</i>	type 2 - max. 1270 mm x 1060 mm (50" x 41 47/64")
<i>The machine has been studied for the above pallet's size and configuration. All other configurations within the a.m. range must be submitted to us before the order for approval.</i>	
Composed pallet's height:	max. 1500 mm (59 1/16")
Row's weight:	mod. 460 = max. 30 kg (66 lb) mod. 660 = max. 80 kg (176 lb)
Slip sheet size:	type 1 - min. 1300 mm x 900 mm (51 3/16" x 35 7/16")
<i>(length x width)</i>	type 2 - max. 1370 mm x 1160 mm (53 15/16" x 45 43/64")
Operator interface:	Touch screen for products size loading. HD Memory available for standard pallet's configuration saving. Analogic modem and/or Ethernet connectivity.
Base Colour: <i>(Fixed standard)</i>	Graphite White
Colour of the guards:	Different colours available upon request

PALLET'S LAYER

For the proper working of the application, layers must be prepared in a mirrored way. Layer 1-3 and 5 as per left hand image, layers 2-4-6 following right hand pattern, (or opposite).



SUPPLIES

Power supply: 400 V – 50Hz – 3 PNE

Power consumption: 15 Kw

Control voltage: 24 V DC

Compressed air pressure: 6 bar

PLC and touch screen: