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# VASKON

Automation – Special machine construction

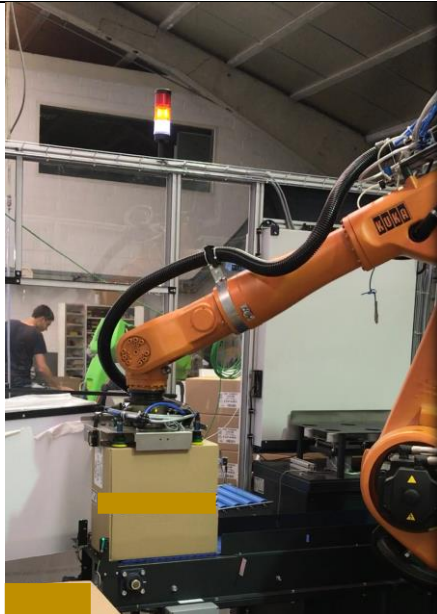
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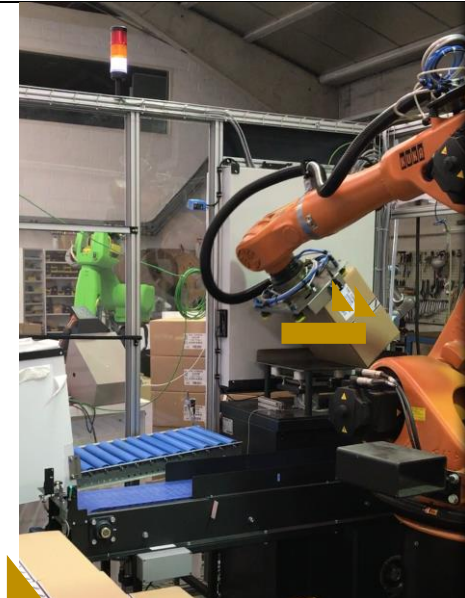
## Robot palletizer for boxes filled with tobacco pouches

Main characteristics :

- The robot cell picks up boxes from a conveyor, and palletizes the boxes on a pallet. The cell has the following functions integrated in it :
- Possibility to check the weight of the box before palletizing
- Possibility to check the presence of a barcode label on the box
- Possibility to tilt the box before palletizing
- Possibility to place an intermediate cardboard sheet between 2 layers of boxes on the pallet
- can be used to stack boxes that are filled with bundles of pouches (one box typically contains 30 bundles x 5 pouches/bundle = 150 pouches in one box).
- Performance : 50s/box (including tilting / weight control / barcode control; eventual additional operations not included)



A box is taken from a conveyor



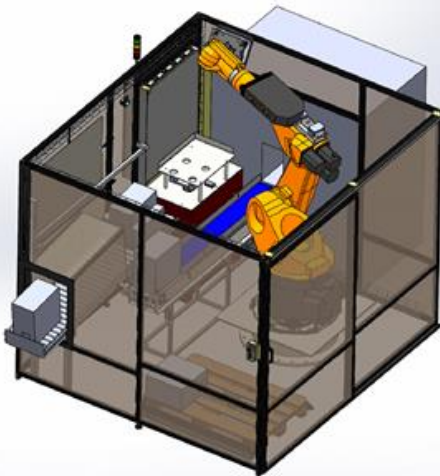
The 6-axes robot gives freedom to manipulate (in this case, the box has to be tilted 90°)



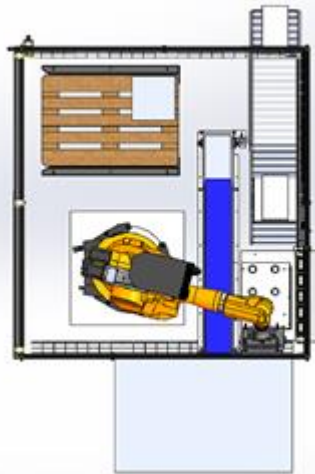
*Weight control of the box  
+ control of the presence of the label*



*The box is palletized*



*3D view of the robot cell*



*Top view of the robot cell*



*Letterbox opening for a  
number of intermediate  
cardbard sheets*

Other characteristics :

- Different palletizing patterns can be set in xml files.
- As the robot has 6 degrees of freedom, the cell has the flexibility to add – if required – additional operations.
- Boxes that are rejected (wrong weight, or missing barcode) are placed on a separate location
- Maximum height of a pallet : 1500mm
- 2 pallets can be placed in the destacker : when one pallet is empty, the machine continues with the other pallet; the operator can replace the empty pallet by a new pallet with cans.
- Layout : depending on the layout of your factory

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