

1_INNOPAL RK

ARTICULATED ROBOT EQUIPPED WITH 4 OR 6 AXES FOR PALETTIZING AND PACKING

PALETTIZING



Requirements and Solutions

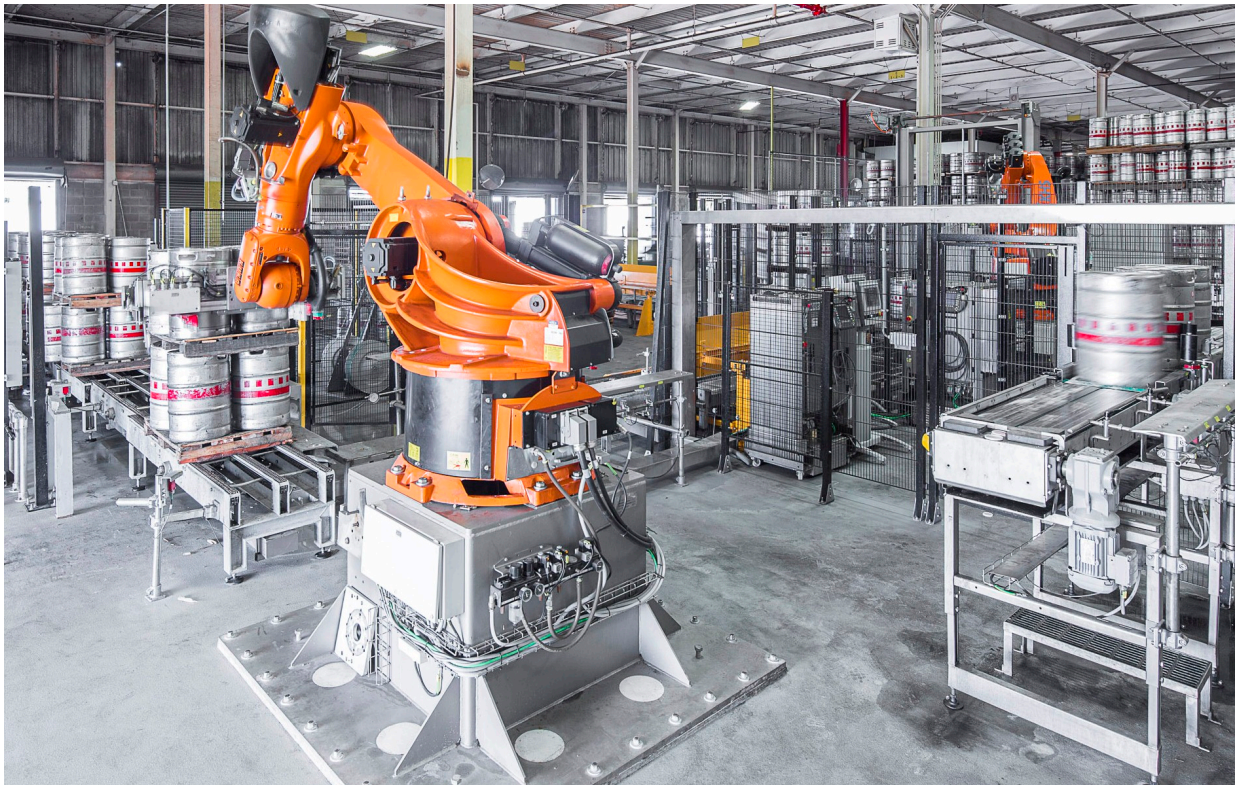
The Innopal RK is an articulated robot equipped with 4 or 6 axes. By using various palletizing heads, this robot is ideally suited for palletizing and/or depalletizing returnable containers, such as high-wall and low-wall plastic crates, slim kegs, kegs and barrels, and for the palletizing of disposable packs such as film-wrapped packs, trays, and cartons. Its 360° working range makes it particularly suitable for sorting, picking, and multifunctional tasks such as palletizing and packing with a single robot. The robot is programmable. Since virtually all sequences of motion are programmable, the machine is able to carry out complex motion sequences reliably and precisely. Depending on the task, movements can be optimized by an intelligent camera system.

Key Features

- Articulated 4 or 6-axle robot
- 360° working range
- Processing of shrink packs, trays, cartons, kegs, barrels, high and low-wall plastic crates
- Highly flexible thanks to the use of various types of palletizing head
- Single or multiple-lane pack feed and discharge, variable fully automatic layer formation and removal
- Modular design and thus ideal for optimum adaptation to customer requirements coupled with a small assortment of parts

Standard equipment

- Articulated robot equipped with 4 or 6 axes
- Standardized operation of all machines
- Operator panel with a large graphic interface
- Machine protection in accordance with CE conformity



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Benefits

- The consistent modular design ensures flexibility for changing palletizing tasks and a reduction in the assortment of parts needed, thus cutting the cost of spare part stockkeeping
- Maximum flexibility and increased assurance for also solving future palletizing tasks
- Fully developed machine functions and high quality standards ensure machine availability of up to 98% over a period of many years
- Only one machine for various tasks. This means optimum space utilization and a reduced cost of investment



Service

- Worldwide service
- Customized machine layout
- Turnkey systems
- Commissioning
- Training courses

Options

- Camera system
- Centering systems
- Multifunctional palletizing heads
- Packing heads
- Automatic head changing
- Pallet liner supply
- ReDiS remote maintenance interface

Technical data

Machine capacity

Maximum of 520 layers/hour

Block height including pallet

max. 2.000 mm

Pallet dimensions

Length: 800 mm to 1,200 mm

Width: 600 mm to 1,200 mm

Height: 120 mm to 165 mm

Pack dimensions

Length: 200 mm to 600 mm

Width: 200 mm to 500 mm

Height: 100 mm to 400 mm

Machine dimensions not including the layer preparation station (L x W x H)

3,300 mm x 2,600 mm x 4,750 mm

Machine weight (not including the control cabinet and peripherals)

3,250 kg