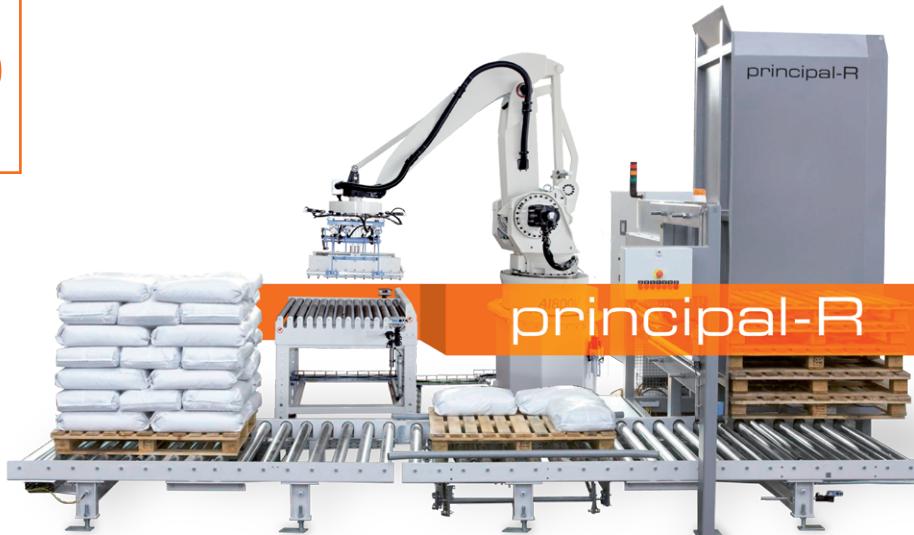


principal-R

high-performance robot palletizer

up to
1400
units
per hour



- high flexibility
- sturdy construction
- high speed
- long lifetime



The high-performance robot palletizer PRINCIPAL-R, an articulated arm robot palletizing system, is always offered as a customer-specific solution with renowned industrial robot manufacturers and STATEC BINDER expertise. A special feature of the PRINCIPAL-R is that it was optimized for sling bags.

Different robot models are used depending on the desired performance. The gripper is also tailored to the respective application. Finger, container or vacuum grippers as well as customer-specific grippers can be used depending on the type of bag.

Options:

- multiple empty pallet magazine
- automatic gripper adjustment
- gripper with vacuum cups
- slip sheet dispenser
- bag press belt



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By default, articulated arm robots with 4 axes and a rotation of up to 360° in the R-axis are used. This type of robot is particularly suitable for palletizing and de-palletizing applications thanks to its fast and repeat-accurate movement.

The layer pattern is easily operated and selected via a touchscreen. The installation variants range from single to double to multiple-line arrangements.



Technical data

System	Multi-articulated robot
Degree of freedom	4 axes
Capacity	up to 1400 cycles/hour*
Payload	up to 140 kg (incl. gripper)
Gripper	Fork-, clamp- and vacuum gripper or custom made gripper
Pallet dimension	1500 x 1200 mm (L x W)
Pallet height	max. 2300 mm
Pallet weight	max. 2300 kg (incl. pallet)
Air pressure	6 bar, constant, dry and oil free
Air consumption	~10 Nm ³ /h
Power supply	3 x 380 - 480 VAC, 50/60 Hz
Power consumption	5,5 kW

*depending on bag size, bag weight and pallet height