

PALLETIZING TECHNOLOGY

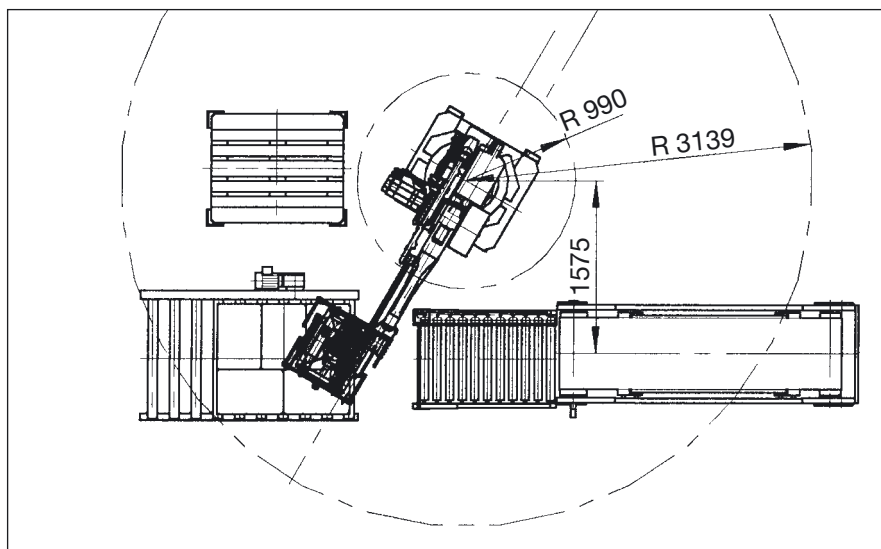
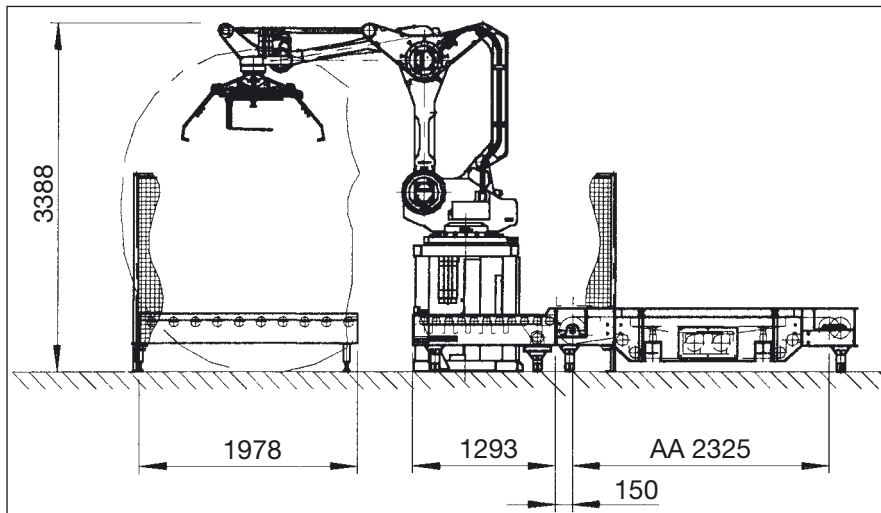


Thanks to its flexibility, the BEUMER robotpac® can handle any palletizing job. Robust and proven machine components, combined with electro-mechanical drives assure safe operation, even when the going gets tough. The BEUMER robotpac® has demonstrated its reliability in dusty environments commonly found in packaging operations.

The palletized stacks are highly accurate and extremely stable. Therefore, the pallet loads can be conveyed and stored by fork lift or roller conveyor without any problems. The combination of the BEUMER robotpac® with packaging equipment like the BEUMER stretch hood® provides complete packaging and palletizing

solutions for the construction materials, chemical, food and feed industries.

With a modified gripping module the BEUMER robotpac® can even be used as an equally reliable automatic depalletizer.



TECHNICAL INFORMATION

BEUMER robotpac®

Principle of operation:
articulated vertical robot

Working range:
max. 3130 mm

Height of working area:
max. 2925 mm

Working cycles per hour:
max. 600 bags/hr.

Bag/unit handling modules:
gripper fork
suction gripper
pallet gripper
tool changer

Load capacity: max. 50 kg (110 lbs.)

Speed of operation:

axis 1: 115°/s
axis 2: 120°/s
axis 3: 135°/s
axis 4: 300°/s

Programming language:
four-axis path control

Repeatability: ±0,5 mm

The BEUMER robotpac® is an automatic palletizing and depalletizing machine for bags, sacks, boxes and trays. The capacity is rated 600 working cycles per hour. Depending on the size and stacking pattern, several stacking units may be picked up and moved simultaneously. By doing so, the capacity can be proportionally increased by a factor of two, three, etc.

Various interchangeable gripping modules, such as gripper forks, suction grippers, pallet grippers, tool changers, etc., are available for different applications. With the optional pallet gripper empty pallets can also be handled fully automatically. The installation of an additional empty pallet separator can therefore be avoided.

With the BEUMER robotpac®, all conventional packing patterns can be used. It is even possible to change the pattern from layer to layer. The control system uses a four-axis path control whose capacity is adapted to the palletizing program. Changing the packing pattern coordinates, e. g. because of modified bag sizes, can easily be conducted by the operating personnel.

The information contained in this brochure merely serves as a non-binding description of our products and is without guarantee. Binding information, in particular relating to capacity data and suitability for specific applications, can only be provided within the framework of concrete inquiries.

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