

depalettizing robot DeRo II

High performance with three-axis-principle:

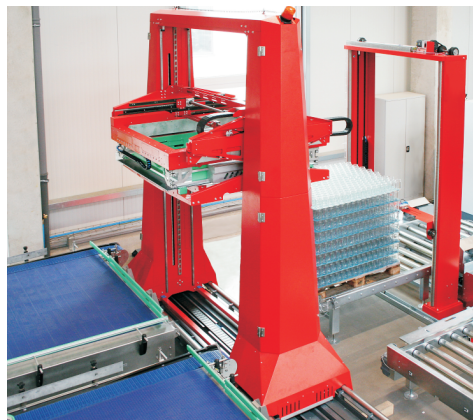
With its three movement axes, the robot positions the layers of packages securely on a discharge table and removes the intermediate layers at the same time. DeRo II uses a gripper that first encloses the upper layer of packages and centers them with clamping jaws. The entire layer is pulled onto an integrated transfer plate. At the discharge table the layer is pushed back. The robot picks up existing intermediate layers by a suction system and places them in a separate magazine.

For variable package diameter:

The DeRo II can depalletize even different package diameters without any problems, since the centering frame of the gripping system encloses the entire layer. Because the fixation without external pressure, the material is handled particularly gently. The depalletizing robot effortlessly processes Euro pallets and industrial pallets without any further action by the user.

Low maintenance and robust construction:

During the development of the DeRo system, great importance was attached to the use of low-maintenance components. The three axes are driven by maintenance-free servo motors. The stable and simple kinematics ensure minimal maintenance costs.



technical data:

movement axes:	three
arm length:	2.990 mm
width of gripping area:	1.040 mm
system height with standard full pallets (2.200 mm):	3.310 mm
discharge directions:	front and back
payload:	80 kg
palletizing performance:	110 layers per hour
drive:	electric / pneumatic
control system:	industrial-PC touchscreen-terminal, CAN-open-bussystem
connecting data:	electric voltage: 3 x 400 V AC, N, PE power: 16 A

