

palletising robot PARO

The system

When developing our system, we placed great emphasis on the use of low-maintenance components. The four axes of the robot are driven by maintenance-free servo motors. The robust and simple kinematics of the system reduce maintenance costs to a minimum.

The modular design of our system makes it possible to realise robot systems with 12 or more pallet positions.

The modular system also enables the realisation of different palletising heights. Access to standard components saves time and costs and ensures significantly reduced delivery times.

The gripper

The spectrum of our 100-times proven gripping systems ranges from simple vacuum suction pads for folding boxes made of cardboard to complex gripping systems for open trays, bags, buckets, bottles or special solutions with additional movement axes. Here, too, we leave nothing to chance: all grippers are developed by us and manufactured in-house.

The controls

The control of the roTeg robot systems sets new standards in automatic palletising. Thanks to the simple and intuitive software interface, it is possible to operate the system after only a short instruction. Via the touch user interface, the user can control all functions of the device with the touch of a finger. The IPC and the CAN bus integrate all kinds of peripherals (barcode scanners, scales, conveyors, printers, etc.) into the system.

A packing scheme generator is also integrated into the control system. Thanks to the simple graphical user interface, new layer patterns can be created or existing ones modified within minutes. Of course, an almost infinite number of layer patterns can be created and managed for all common pallet formats.

Technical data:

Number of movement axes:	four
Height of palletising area:	2.300 mm (expandable)
Length floor axis:	application-specific
Depth of gripping space:	up to 1.600 mm
System height for standard full pallets (2,200 mm):	3.310 mm
Payload:	80 kg
Palletising capacity:	500 cycles per hour
Drive:	electric / pneumatic
Control system:	industrial-PC touch operating terminal, CAN open bus system
Connection data:	voltage: 3 x 400 V AC, N, PE current: 16 A compressed air: 6 bar, 1/2"

palettising depalettising conveying
...all from one source!

