



HIGH-PERFORMANCE PALLETIZING ROBOTS

Designed specifically for palletizing applications, the Palletizer Series features five unique robots with payload capacity from 80 kg to 500 kg to suit most needs. With industry leading work range and reliability, Kawasaki's high-speed palletizing robots help companies improve production line efficiency.



RD80N

Degrees of Freedom	5 axes
Payload	80 kg
Horizontal Reach	2,100 mm
Vertical Reach	3,311 mm
Repeatability	±0.07 mm

Applications

- Palletizing

HIGH-PERFORMANCE

In today's highly competitive marketplace, meeting the demand for just-in-time deliveries, flexible packaging, the freshest products, and the highest production line efficiencies are all key to a company's success. Kawasaki Robotics helps support these success factors with robots designed specifically for palletizing applications. Robots model number RD80N, ZDE130S, ZDE250S, MDE400N and MDE500N offer a wide range of payload options (80 kg to 500 kg) along with industry leading reach, speed and quality to deliver high-performance automation technology for most any palletizing application.

HIGH-SPEED OPERATION

The Kawasaki Palletizing Robots are among the fastest and most reliable machines in the industry. The RD80N Robot is capable of 900 cycles per hour with an 80 kg payload and the ZDE130S Robot is capable of 1,800 cycles per hour with a 60 kg payload.

COMPACT APPLICATIONS

The Kawasaki RD80N is designed specifically for applications where a compact, high-speed, palletizing robot is required. Despite its slim space-saving design, the RD80N can manipulate loads up to 80 kg and create pallet stacks over seven feet tall. The unique 5-axis design can be floor or ceiling mounted and is ideal for palletizing, depalletizing, material handling, and case packing applications.

LARGE WORK ENVELOPE WITH HIGH PAYLOAD

The ZDE130S and ZDE250S robots can manipulate products vertically up to 3,075 mm, while the MDE400N and MDE500N robots have up to 3,521 mm of vertical range. The high vertical reach capability is ideal for tall pallet creation and multi-lane applications where the robot is required to reach over incoming and outgoing production lines. Kawasaki Palletizing Robots have a horizontal reach of up to 3,255 mm, which is the longest reach in their class. This extra long reach allows for one Kawasaki robot to be used in applications where five or more outgoing pallet lanes are required. This unique capability contributes to the flexibility and efficiency of the Kawasaki Palletizing Robot design.

The Z-Series models are ideal for typical medium to heavy palletizing loads, while the high capacity M-Series robots can handle up to 500 kg. The high payload capabilities of these robots allow for multiple product picks and complete pallet layer handling, resulting in fewer cycles per completed pallet.

