

COMPACT C2 KT400

Flexible Robotic Palletiser

Brillopak
DESIGNED AND BUILT IN BRITAIN 

Automatic palletising of cases, crates, cartons, trays and bags onto pallets



The Compact C211 is the small footprint palletiser designed for cases, boxes, trays, and bags. The system utilises motion control technology to ensure fast and accurate placement of trays onto pallets. Brillopak specialist end effectors will handle multiple case or bag sizes, as well as all current supermarket rigid/collapsible tray types without the need for tooling changeovers. The optional use of a servo drive in the specialised head delivers optimal speed without damaging the product. The system can be provided floor standing or over conveyor and is available in 3 layouts. Brillopak pallet dispensers are made of the highest quality components and are designed for 24/7 heavy usage.

Benefits:

- Compact: Smallest palletiser for trays.
- Fast: 10 cycles per minute.
- Flexible: Multiple products, multiple patterns.
- Delicate tray placement: Special placement movement to interlock trays when moving at high speed to ensure a stable stack.
- Simple to operate by unskilled staff. Select the product and press start.
- Easy to maintain. Simple plug in, plug out of new parts.
- Easy to programme new patterns in-house.

Modular design for ultimate flexibility

As with all Brillopak systems, the C211 is built to maximise return on investment. As well as handling multiple application with the same specialist head the C211 allows the pallet to be stacked on the floor for tight spaces or, alternatively, over low profile conveyors to allow for continuous palletising. Further options include pallet dispensing and RTC bale arm closers to ensure stack stability.

Technical Data

Robot:	Brillopak 2-4 axis robot gantry mounted.
Head:	Adjustable force and closing speed, food grade materials. Servo head option.
Frame:	Mild steel manufacture with plexiglass or mesh safety panels.
HMI:	Omron HMI touch screen control panel.
Motion Control System:	Omron NJ Series
Servo drives:	Omron 400w-2000w dependent on axis. Z axis braked motor. Absolute encoders used for fast start-up.
Communications fieldbus system:	EtherCAT communication structure ensures excellent synchronisation with servo drives for high accuracy of product placement. Simple plug in, plug out of new parts.
Status beacon:	4 colours
Max. Pallet stack height:	1600mm.
Enclosure/Motor Specification:	Minimum IP55 dust, splash proof.
Electrical & Pneumatic Components:	ISO/DIN standard.
CE Marking:	Certificate of incorporation included.
Pneumatic supply:	Compressed air at 6 bar min.
Electrical:	3ph+N+E x 400/440 Vac, 50 Hz, 16amp
Control Circuit:	24v DC.
Speed:	Up to 10 cycles per minute dependent on product

Dimensions

