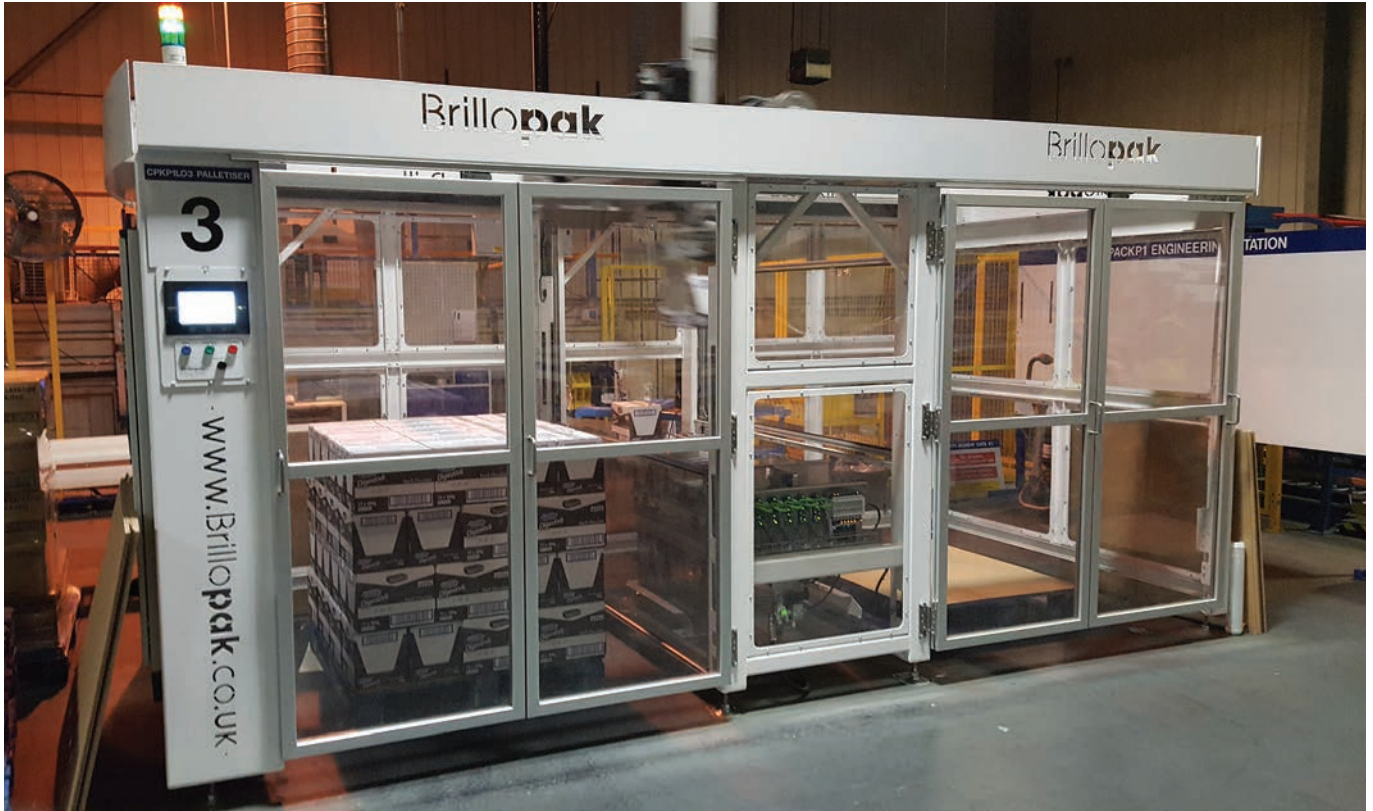


COMPACT C2 KT800 Dual Cell Robot Palletiser

Brillopak
DESIGNED AND BUILT IN BRITAIN 

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



The Brillopak COMPACT C2 KT800 dual cell robot palletiser ensures continual palletising without the need for accumulation. As soon as one pallet is loaded the robot starts palletising the second cell, allowing the operator to open the safety gate and remove the pallet. To ensure safety, a side guard is raised within the loaded cell.

Similar to the smaller KT400, The dual cell machine has a small footprint and is designed for cases, boxes, trays, and bags. The system utilises Omron 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 system has been designed for ease of maintenance and the use of EtherCAT connectivity means that spare parts can be simply plugged into the system for immediate recognition.

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.

Flexibility of performance

As with all Brillopak systems, the C2 KT800 is built to maximise return on investment. As well as handling multiple application with the same specialist head the use of EtherCAT allows for superior synchronising of the servo drives which means faster and more accurate placement without damage to product dispensing.

The C2 KT800 Palletiser integrates with the COMPACT C111 robotic pick and place to provide complete end of line automation.

Technical Data

Robot:	Brillopak 2-4 axis robot gantry mounted.
Head:	Adjustable force and closing speed, food grade materials. Servo head option. Specialist clamp, gripper and vacuum heads.
Frame:	Mild steel manufacture with plexi-glass or mesh safety panels.
HMI:	Omron HMI touch screen control panel.
Motion Controls:	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. 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:	4650mm x 2150mm x 2315mm (excl. mast)

Dimensions

