De-palletise, de-carton, re-palletise and process multiple blocks the efficient way with H&C’s Robotic De-Cartoning Cell.

This modular multi format de-cartoning system (DDRP-MB™) unit uses H&C’s proprietary knifeless carton removal technology and is designed to handle multiple carton types, both lined and unlined. The unit incorporates revolutionary innovations that give you unparalleled flexibility and system simplicity.

The Robotic De-Cartoning Cell will safely and reliably remove the outer packaging presenting an undamaged, wrapped block every time.

The benefits of automating the carton removal process are:

- Reduced labour – allows staff to be re-deployed to higher value work
- Elimination of manual handling, knives and the associated risk of injury to staff
- A single system able to handle multiple block and carton formats
- Removed risk of product contamination
- Reduced risk of accidentally cutting the bag
- Waste corrugate managed effectively
- Best in class footprint
Robotic De-Cartoning Cell

FEATURES
- Knifeless carton opening technology
- Operates effectively with or without liners
- Turnkey 24/7 operation
- Low energy consumption
- Meets ANSI/RIA R15.06, AS 3000, AS 4024 safety & NFPA 70 (NEC) standards
- Fast easy access for maintenance

CAPACITY
- Format: Multiple block and carton formats
- Rate: Modular design allows for flexible rates
- Flexibility: Dynamic product processing

EQUIPMENT
- Footprint: L x W x H
  - 21'8" x 12'6" x 12'2"
  - 6600mm x 3800mm x 3700mm nominal
- Robots: 2 robots – 1 de-palletising/re-palletising and 1 de-cartoning
  - End of Arm Tool (EOAT) – hybrid vacuum and mechanical gripper and specialised H&C tooling for box opening

CONTROL
- PLC: Allen Bradley
- Operator interface: Allen Bradley PanelView
- Communications: Ethernet/IP
- Alternative: Client preferred hardware on request

Talk to our team to find out more about the Robotic De-Cartoning Cell (DDRP-MB).
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