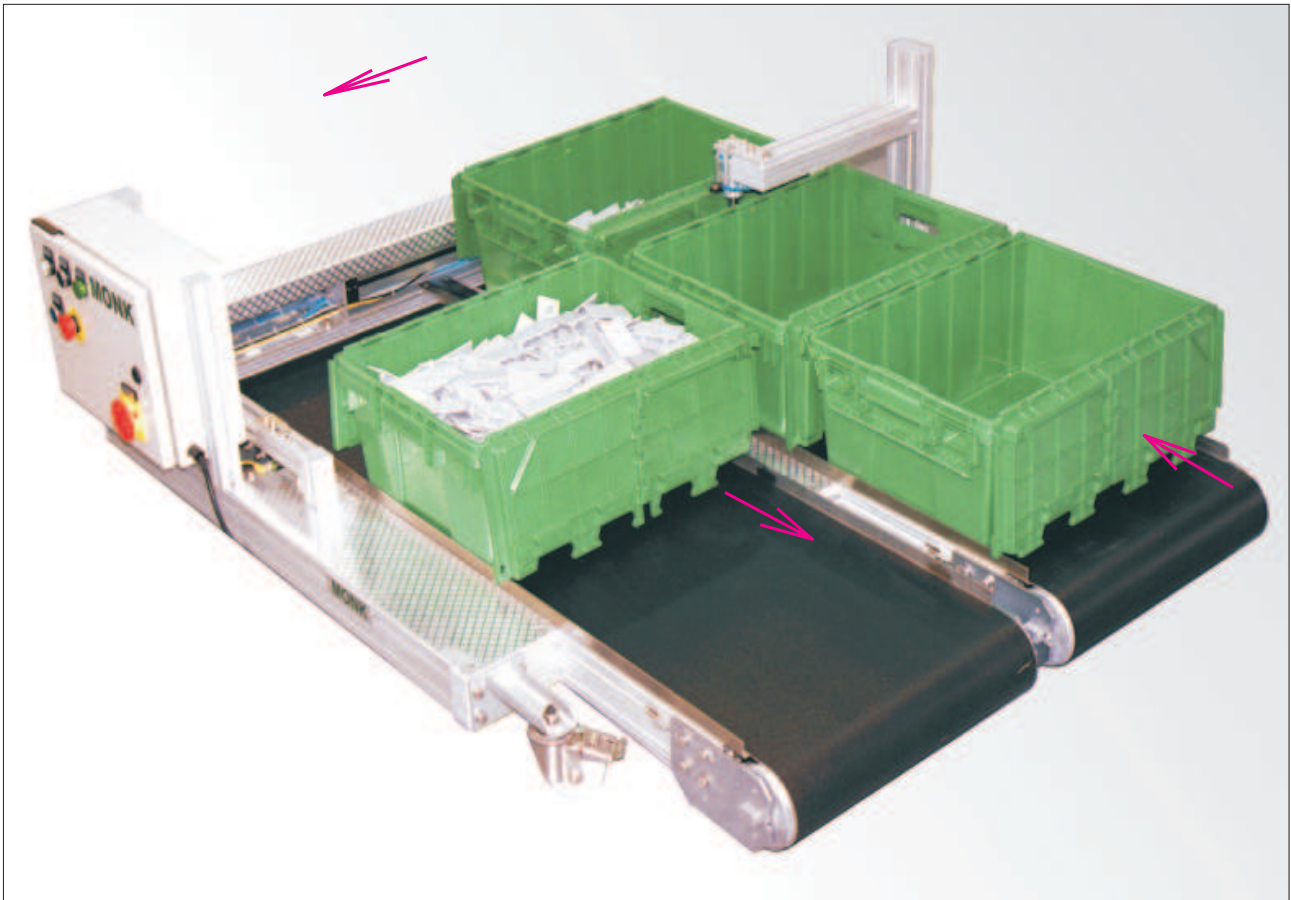


APPLICATION

Automatic Box Changer

MONK



The **MONK BOX CHANGER** is a very efficient parts collection or supply system allowing machines to operate unattended for long periods with parts storage boxes automatically queued and changed. They are used for the collection and storage of mouldings, robotic load and unload systems, hand or automatic packing lines etc.

Empty boxes are placed by hand onto the input conveyor at the end of the queue. They are indexed forward one at a time to the load position where components are discharged or loaded into the box. Once a preset quantity of parts have been loaded into the box a signal is sent to interrupt the supply of parts, while the full box is automatically transferred to the output conveyor and an empty box moved into its place, this takes 5 seconds.

The unit uses two of our standard M19100 drum drive conveyors mounted on a heavy duty, low profile support frame equipped with braked castors. Different sizes and configurations are available to suit all applications. The two conveyors can be supplied any length to suit the space available. Also extra conveyors can be used for the infeed and the outfeed together with ninety degree bend units to transport boxes to storage areas. They can be combined with other MONK equipment such as elevators, hoppers, automatic box stackers etc.

The cycle is fully interlocked and the unit cannot be re-started unless the transfer arm is in the back position. The control panel has start, stop, reset and emergency stop buttons. Lamps indicate power on, cycle running, emergency stop engaged and low air pressure.