

## HIGH-SPEED END LOAD CARTONER Model MKH-4

The **MKH-4** is a fully automatic, continuous, end-load cartoner that is controlled by a full servo system on each axis, reaching speeds of up to 180c/m.

The new design of the MKH-4 enables it to achieve maximum flexibility in the production line, saving weight and production area.

**The machine has a variety of unique advantages:**

- The carton erection rotary head is built with a double planetary system to pull the carton out from the magazine while simultaneously erecting the box. A pre-opened box is part of the system.
- The vacuum system is a new design that allows the usage of air pressure instead of vacuum, resulting in no leakage and maximum efficiency.
- It achieves high performance and is easily adjusted to synchronize the machine with high accuracy while running.
- **Clean Design** - The design of the new MKH-4 provides a low-profile machine with a straight clean line, surrounded by a totally clean area that is safe for work.
- **Accessibility** - All mechanical and electronic parts are easily accessible and visible so any irregular issue can be identified immediately.
- **Mobility** - The wheels of the MKH-4 make it easily movable and highly flexible. Its in-feed system can be separated in one second, allowing plug & play of future changes in the feeder system.
- The machine arrives with a standard Beckhoff motion system with a WIN7 operation system and large 12" screen.

**Additional features:**

- All information available on screen to enable viewing the components' location and possible faults on a 3D interactive model
- Daily, weekly, monthly and annual periodic maintenance reminders
- PDF file of system manual
- Log file of faults, indicated by date & time
- Fully remote access service supported by real-time video camera installed on the system

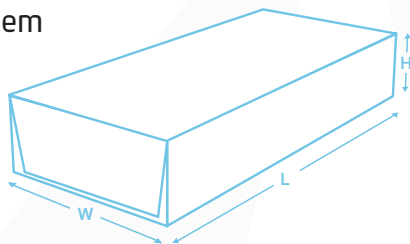
These applications reduce downtime of machines while waiting for service or local technical support.



**WE DESIGN FOR HUMAN SAFETY - THAT IS OUR MAIN GOAL**

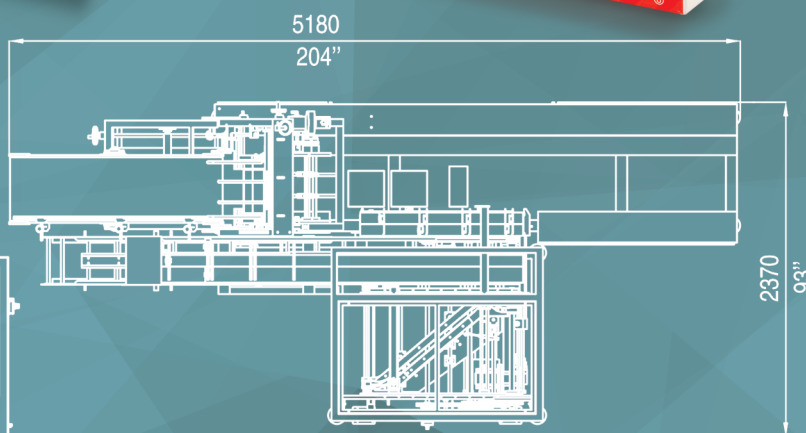
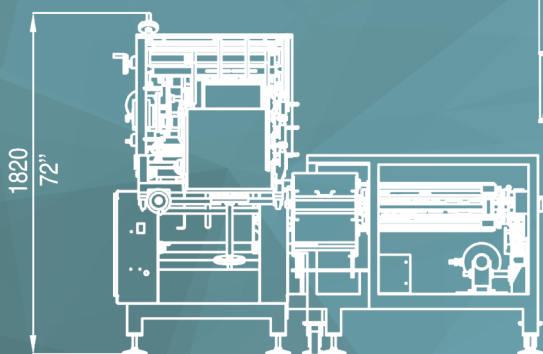
## Technical Data

- Fully servo driven
- Full diagnostic fault
- In-feed conveyor
- Automatic feeding of product into carton
- Mechanical indicators and calibrated scales
- 12" touch screen
- 24 VDC control voltage
- Adjustable carton magazine
- Beckhoff PLC controller
- Overload system on product feeding system
- Stainless steel construction
- Hot-melt glue system
- CE mark



## Optional

- Irregular carton shapes - triangle or other
- Data coding
- Right/left versions available
- Automatic integration of in-feed system for any product upon request



## Application

Bags, toys, toothbrushes, tubes, medical supplies, panty shields, bottles, jars, cans, wafers, etc.

## Specifications

### PRODUCTION SPEED:

Available at up to 180 cartons per minute

**Final speed:** Depends on product's orientation and length

**Net weight:** 1,200 kg

### Box SIZE RANGE (LxWxH):

**Minimum:**

(L)100mm (4")x(W)40mm (1.8")x(H)20mm (0.8")

**Maximum:**

(L)330mm (13")x(W)220mm(8.6")x(H)110mm (4.3")

**Special application upon request.**

### ELECTRICAL REQUIREMENTS:

**Input Power:** 200/380 volt, 3 phase, 50/60 Hz, 2.5 kw  
Other requirements are available.

**Control Circuit:** 24 VDC

### AIR REQUIREMENTS:

Operating pressure: 88psi (6 atm)

Line pressure: 103 psi (7 atm)

Air consumption: 400 L/min at 6 bar

Hot-melt air pressure 20-59 psi (1.4- 4 atm)