

B1-M™
Manual load
continuous cartoner

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New and improved!



INFEED



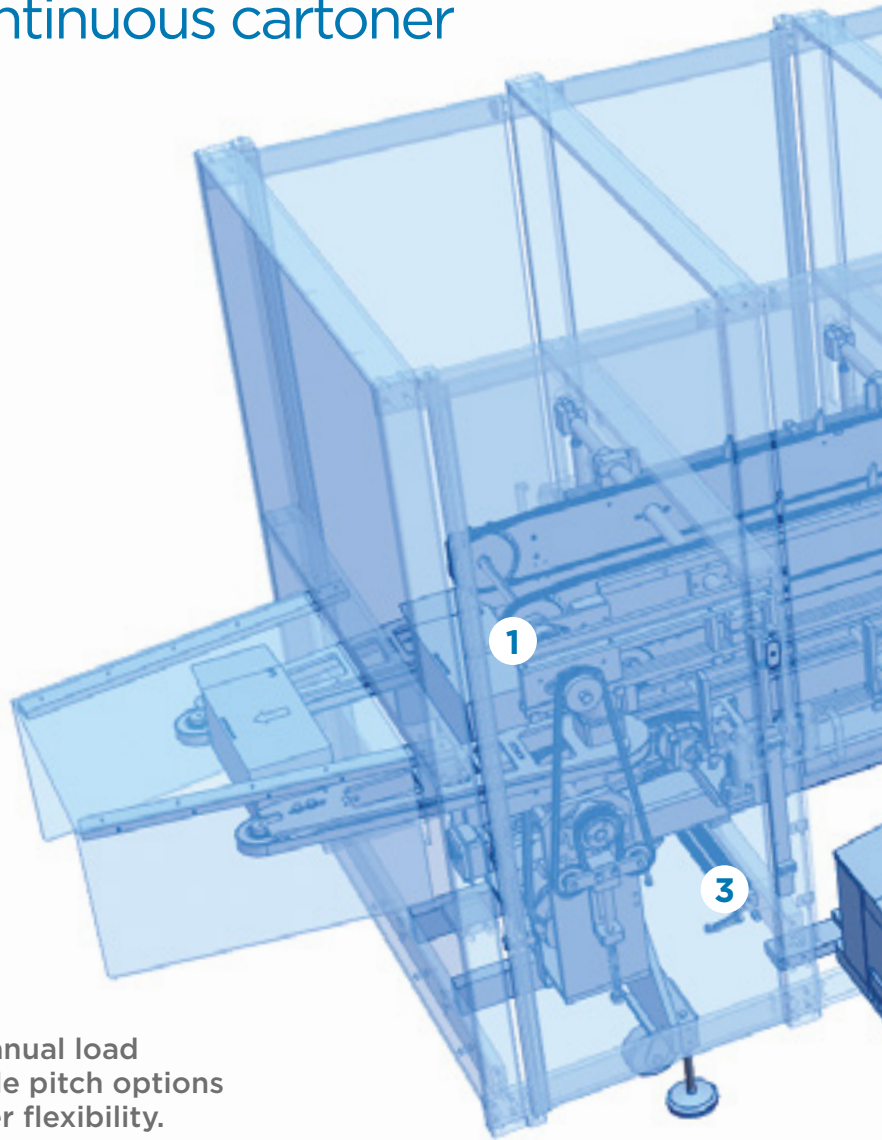
CARTONING



CASE PACKING



PALLETIZING



The Molins Langen B1-M™ is a unique manual load continuous motion cartoner with multiple pitch options for higher speed possibilities and greater flexibility.

1. Separate AC discharge belt drives

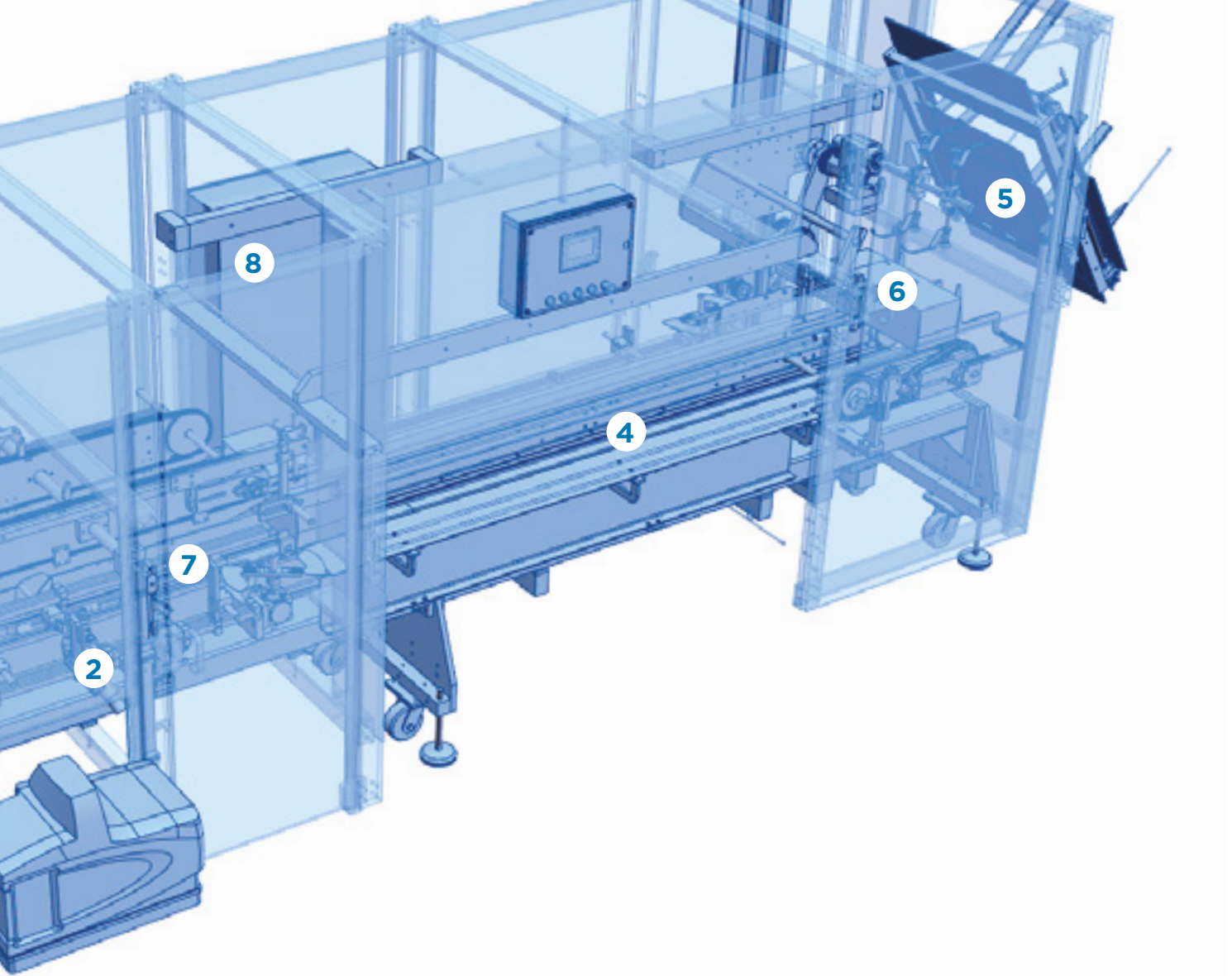
The discharge belt speed can be adjusted independently from the cartoner speed to prevent cartons from being damaged by the rear lug of the main carton chains. This reduces the maintenance dramatically in this area.



2. Quick change carton width adjustment

The feeder and top chain width (height) adjustments are executed using hydraulic pumps, providing fast and convenient operation. Scales and pointers or digital readouts are utilized with the hydraulic device for quick and easy reference during changeover. This provides a single point adjustment which saves extra time during a changeover.





3. Quick change carton length adjustment

The front lug chains are now equipped with a phase adjuster with digital readout for quick reference during a change over. This allows for easy access and quick carton length adjustment.



4. Encapsulated chain tracks

The main carton chains are encapsulated utilizing a special UHMW PE (plastic), providing extra protection for a longer life span. A robust (heavy-duty) #60 chain is used on the rear lugs which will substantially improve the longevity of the chains.





5. Quick change carton magazine

Lead screws with scales and pointers are utilized on the carton magazine for quick reference on size changeovers. A single point adjustment is provided on one side of the machine which allows for quick changeovers between different carton sizes.



6. Standard reverse feeder

The carton loading is on the upstream side, providing easy access for the operators (no inference with product loading). This set-up provides the possibility to add an optional pre-break carton opening station to increase carton feeding efficiencies. This set-up also provides the ability to add an optional extended magazine without any intrusion to the product loading area. This will provide extra carton capacity whereby decreasing the carton replenishment time and increase efficiencies and speed.



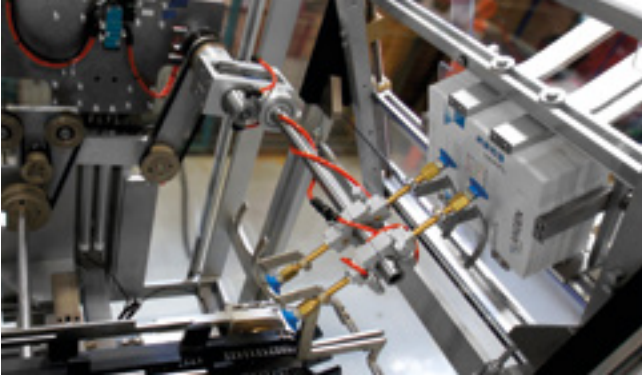
7. Upgraded guarding

Polycarbonate perimeter guarding with category 3 safety is a standard feature with 80" high doors which complies with industry standards. Individual guard door switches are provided with a built-in signal light to identify which door is open.



8. AB MICROLOGIX PLC and HMI

Latest PLC control technology in line with industry standards provides faster processing time. A simple touch screen HMI utilized for easier control and cam setting adjustments. The system is also expandable to accept additional devices for future requirements.



Standard features

- 6'/2000mm ergonomic manual load platform
- 2-head rotary feeder
- 19"/500mm carton magazine (reverse feeder)
- Choice of left or right hand construction for easy line integration
- Glue closing
- Robust center-beam construction (welded steel)
- Allen-Bradley PLC and HMI
- Carton pre-break for optimal carton forming
- Robust enclosed carton carrier chains
- Quick change toolless features utilizing scales and pointers

Optional features

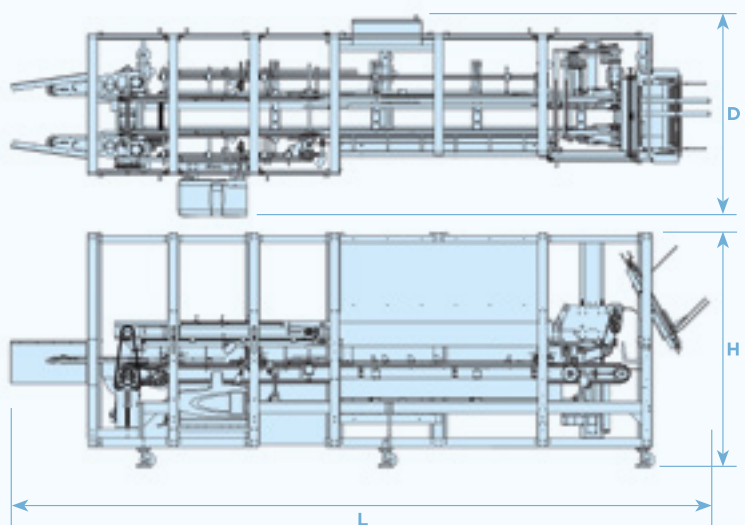
- 12'/4000 mm manual load area
- Extended carton magazine
- Tuck closing
- Infeed transport conveyor

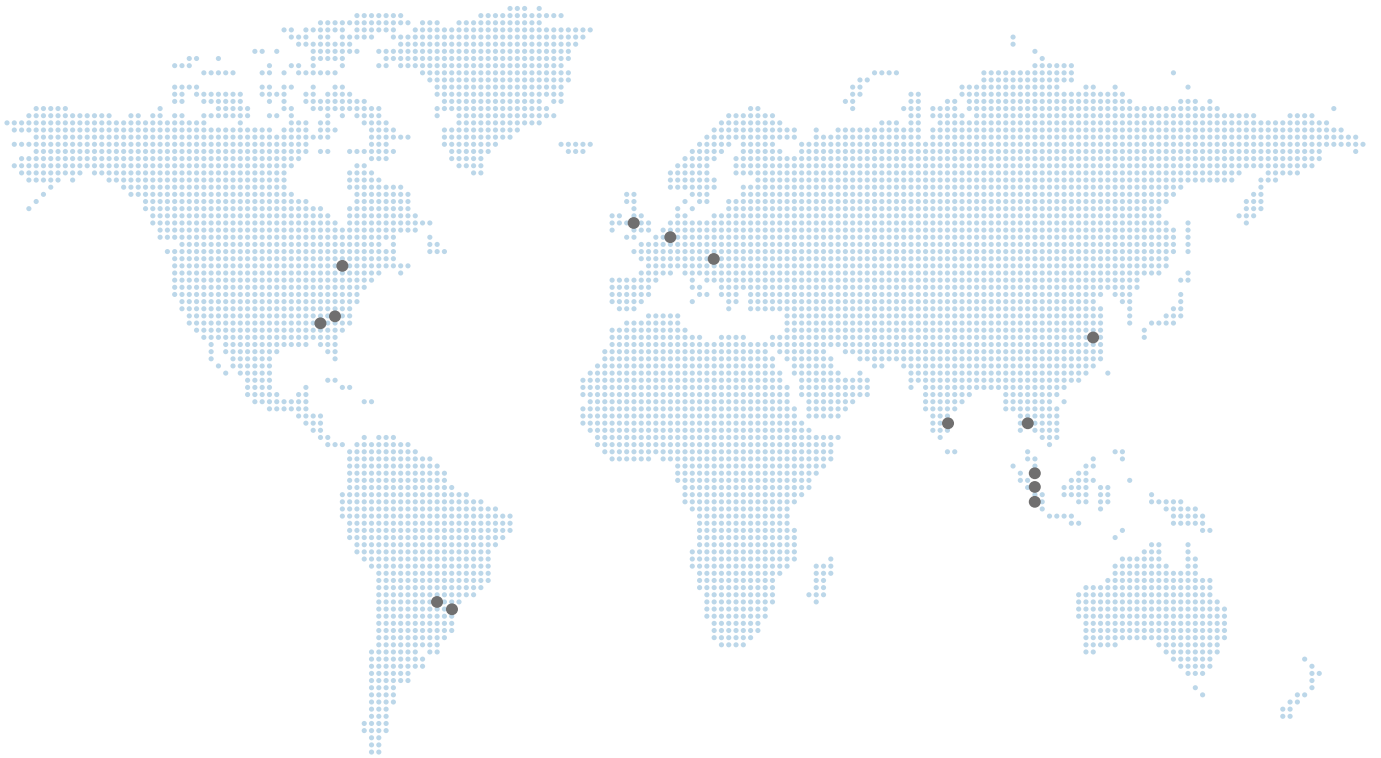
TECHNICAL SPECIFICATIONS

- Motion Continuous
- Dimensions H = 81" / 2060 mm
L = 242" / 6150 mm
D = 68" / 1730 mm
- Electrical 230V - 575V/3PH, 50/60Hz
- Safety system Category 3 EN-13849-1 PLd (control reliable)
- Air consumption 0.35 m³/min @ 5-6 bar
12-15 cfm @ 70-83 psi
- Weight Approx 4,630 lb / 2,100 kg

OUTPUT

- Speed Max. 120 cartons per minute
- Dimensions Min H = 0.5" / 12.7 mm
L = 1.75" / 44.5 mm
D = 4.75" / 121 mm
- Dimensions Max H = 6.0" / 152 mm
L = 15" / 381 mm
D = 14" / 356 mm





All information given in this document is dependent upon final machine specification, infeed arrangement, product type and bag specification.

