

B1-M™

Manual Load Cartoner

LANGEN

PACKAGING GROUP



END LOAD CARTONER

Markets

- Food and Beverage
- Bakery and Biscuit
- Confectionery
- Consumer Products
- Cosmetic Products
- Health and Personal Care
- Other Markets

Typical Products

- Bags/Pouches/Sachets
- Blisters
- Bottles/Cups/Jars/Tubes
- Cartons
- Cases
- Flow Wraps
- Stick Packs
- Unwrapped Products
- Various Other Products

Benefits of Our Technology

- Multiple pitches available to provide higher line speed and greater flexibility.
- Adjustable CAM limit switch for easy and accurate changeover
- 2-head rotary feeder ensures smooth, efficient operation.
- Handles: B & C flute, microflute, chipboard, SBS, recycled board, plastic, etc., using tuck or glue closure accommodating multiple carton designs.
- AC variable frequency main drive for simple speed changes.
- Stainless steel main drive shafts improve cleanability and eliminates corrosion.
- Ergonomic load platform to facilitate manual carton loading minimizes operator fatigue and improves productivity.
- Left or right hand construction adapts easily to multiple line configurations.
- Safety conforms to Category 3 as per EN-13849-1 PL d (Control Reliable) ensures regulatory compliance and higher safety standards.



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SPECIFICATIONS

	Carton Size Range (inch / mm)			
	Min	Max	Min	Max
Length	1.75"	12"	44.5 mm	305 mm
Height	0.5"	5.0"	12.7 mm	127 mm
Depth	4.75"	14"	121 mm	356 mm

Output

Maximum 120 cartons per minute

	Cartoner Dimensions	
	inches	millimeters
A	246.50"	6261 mm
B	96.50"	2451 mm
C	56.25"	1429 mm
D	36.00"	915 mm
E	132.75"	3372 mm

Electrical Requirements

230V-575V/3PH, 50/60Hz

Control circuit: 24VDC

Safety Systems

Conforms to Category 3 Safety Standards as per EN-EN-13849-1 PL d (Control Reliable)

Air Consumption

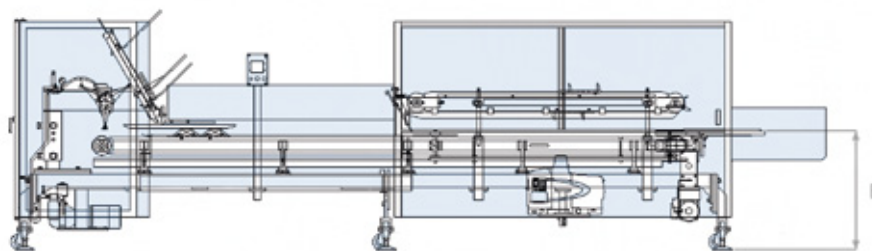
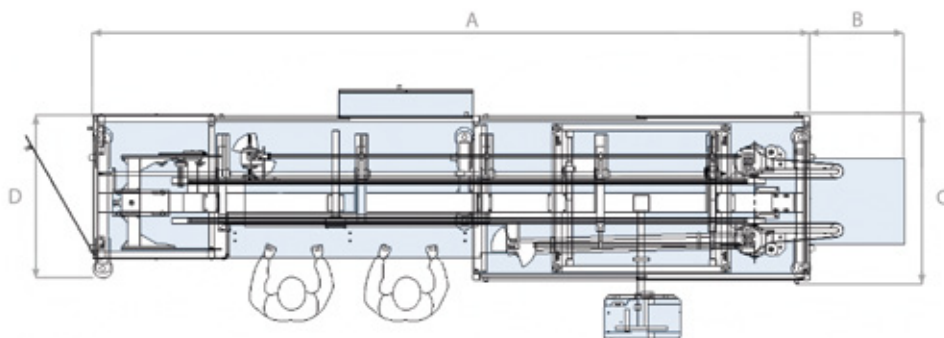
0.35 m³/min @ 5-6 bar

12-15 cfm @ 70-83 psi

Weight

Approx 5,510 lb / 2,500 kg

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



Standard Features

- 2-head rotary carton feeder
- Ergonomic load platform to facilitate manual carton loading
- Robust center-beam construction
- Stainless steel main drive shafts
- 6'/2000 mm manual loading platform
- 19"/500 mm carton magazine for up to 300 cartons
- Allen-Bradley standard logic control
- Nordson glue applicator or tuck closure
- Rotary style flap kickers
- Left or right hand construction adapts easily to line configuration
- Continuous motion

Optional Features

- Quick-change features:
 - Carton magazine
 - Carton length adjustment
 - Feeder support elbow drive
- Carton pre-break for square or difficult-to-open cartons
- Intermittent motion
- 3', 9' and 12' manual load areas
- Extended carton magazine
- Machine is tiltable up to 15 degrees for gravity-assist loading
- Top squaring chain for positive squaring during flap closure
- Totally enclosed carton carrier chains designed for heavy loads or large cartons
- Wet environment option
- Other common supply voltages available i.e. 430V, 480V, 575V

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