LEGEND SERIES – L200HL HAND-LOAD LARGE CENTER CARTONER

Design Features and Machine Operation

Carton Size Range

Length		Width		Depth	
Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
4.00" (102mm)	11.00" (279mm)	1.00" (25mm)	4.50" (114mm)	5.62" (143mm)	12.00" (305mm)

Speed

Minimum	Maximum
20 cpm	80 cpm

Construction

- The Legend Series L200HL continuous motion cartoner is a metric design machine, including fasteners and commercial components.
- The machine is built on a welded tubular stainless steel frame, designed to allow debris to fall through to the floor.
- The carton transport, carton feed and flap closers are all driven by a single variable frequency drive motor.
- The carton transport has four chains, which are carried on two transport beams (two chains per transport beam). The drive sprockets for the center chains are adjustable so that all leading lugs can be manually moved to the proper location for each carton size.
- Tubular members will have no holes and will be continuously welded at the ends.
- Only commercial components (i.e. gearboxes, motor housings, junction boxes, etc.) will be painted by Jones commercial vendors. Jones will not repaint the components.
- Ball bearings are dust proof and sealed for life (i.e. 2RS bearings) wherever possible.

Automatics and Safety Devices

Automatics are provided to control the operation of the machine, protect operators from injury, and protect the machine from damage in areas where a serious jam could occur.

- An "L" shaped carton detector will stop the machine automatically.
- A foot switch is provided to start and stop the feeding of cartons into the transport lugs.
- The safeguarding design of this machine meets or exceeds the applicable standards contained in the current American National Standard for Packaging Machinery and Packaging Related Converting Machinery-Safety Requirements for Construction, Care and Use (ANSI/PMMI B155.1-200).

Electrical

- The Legend Series L200HL will be wired 460 volts, 3 phase, 60 hertz, a transformer can be provided to accommodate other incoming voltages.
- The machine utilizes 24 VDC control power (from a furnished 24 VDC supply).
- One painted steel electrical enclosure is mounted directly on the cartoner.

Machine Operation

- Operators will manually place side seam glued, flat cartons into the horizontal carton magazine. The carton feed system will pull one carton from the carton magazine and place it directly into the carton transport lugs. On the way to the loading area, the lower major flaps are separated and controlled through guides.
- An operator depresses a foot switch to start the feeding of cartons into the transport lugs.
- Operators then manually load products directly into the cartons as they move past the loading area.
- Once the cartons are past the loading area, the flaps are closed and a hot melt glue is applied to both ends of the carton.
- Optionally, the machine may be equipped with tuck closing rather than glue closing.
- Cartons are then removed from the transport via a discharge conveyor that accelerates the cartons out of the lugs onto a dead plate or the customer's discharge conveyor.