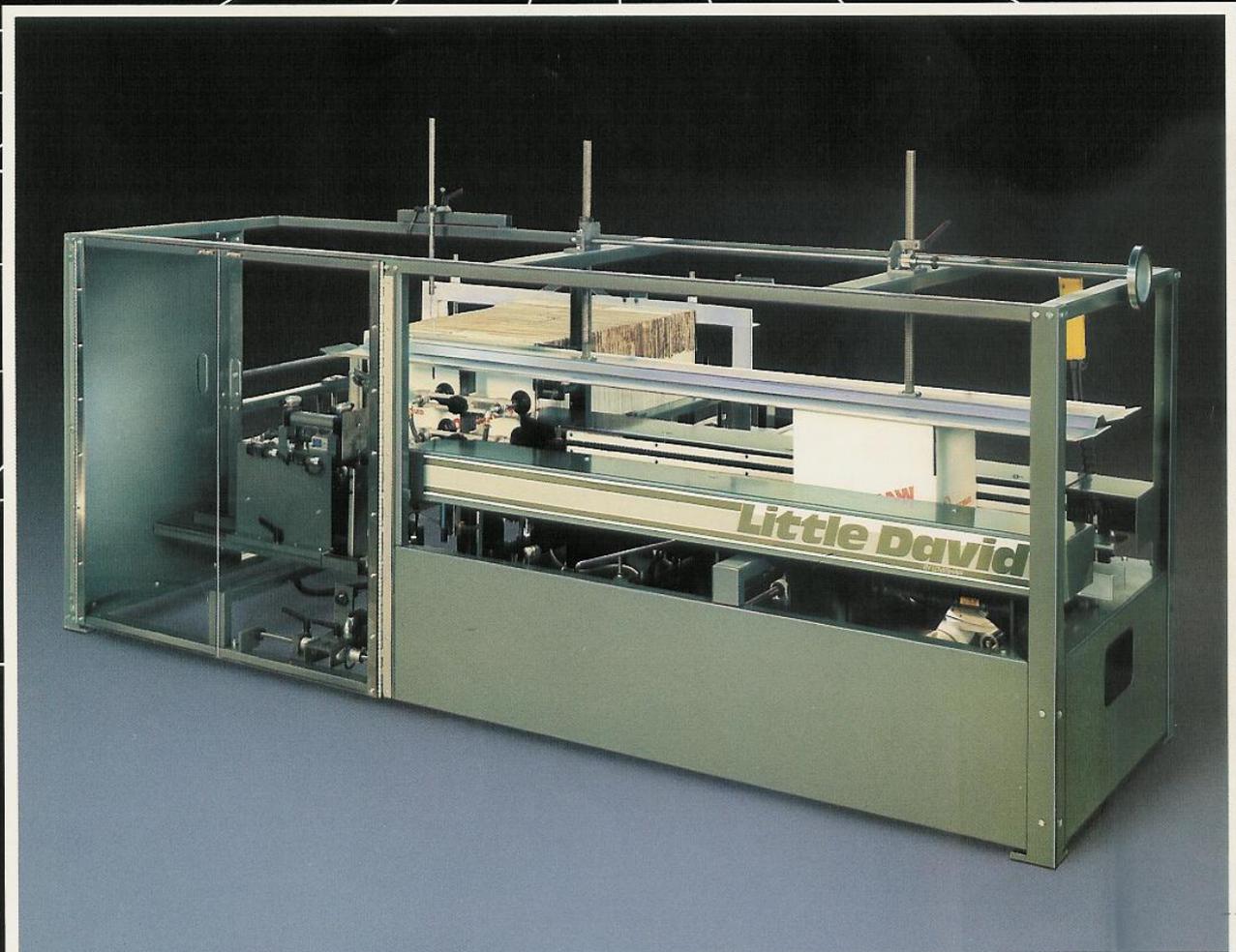


The Leader in
Case Sealing
Automation

Little David[®]

by LOVESHAW



Model CF-40T

Case Former with Pressure Sensitive Bottom Taper

- Chain and Lug Drive Transport System
- Quick Changeover (Calibrated Scales, Threaded Rods, Rack & Pinion, Slide & Lock)
- Chain Driven Powered Hopper
- Welded 10 Gauge Frame
- OMRON Programmable Controller
- Cycle Interrupt During Low Hopper
- Photocell Case on Demand Operation
- Interlocking Safety Gates
- Up To 6 Suction Cups Form the Case
- Major Flap Compression Rails

LOVESHAW

Little David® Model CF-40T

Case Former with Pressure Sensitive Bottom Taper

The Little David Model CF-40T Case Former is an automatic case former designed for easy size changeover and maximum user-friendliness.

The CF-40T has advanced standard features that ensure the user the utmost convenience and flexibility. For instance, chain and lug side drive automatically squares the case and compensates for poor tolerances in corrugated dimensions.

Engineered for round-the-clock production reliability, the CF-40T is easily integrated into most production areas and can be justified on volume as low as 500 cases per day.

Justification can also be found in the fact that automating the case forming operation can significantly decrease the incidence of strain related illness such as carpal tunnel syndrome. This ailment is caused by the continued use of the wrist in a repetitive motion, such as an operator who is constantly folding the flaps of a case. Carpal tunnel syndrome almost always requires costly surgery and has been the main reason automated equipment can be easily justified, even at slow production speeds.

Operation

The CF-40T has a chain driven powered hopper that accepts up to 150 RSC or HSC cases. A set of up to 6 vacuum cups are pneumatically delivered to the face of the knock down case in the hopper. The Venturi vacuum system is activated and the suction cups withdraw one case from the hopper. The top and bottom fingers located in the slots "hold back" the trailing major panel, thereby breaking open and forming the case.

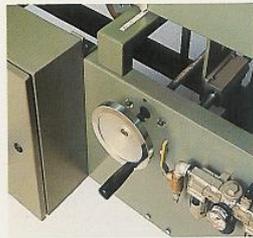
With the case in position, two pneumatic tuckers swing from under the case to close both minor flaps. Upon a signal from the on-board programmable controller, the case is diverted from the forming section to the taping section by way of dual spring loaded driven rollers. These rollers pull the case into the powered chain and lug side drive for squaring of the case, bottom major flap folding and bottom sealing with pressure sensitive tape.

Machine Options

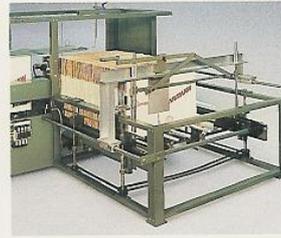
- Spare Parts Kit
- Special Electrics
- Jam Detector
- Low Tape Alarm
- Low Hopper Alarm
- Casters
- Change Parts Kit
- Consult Price List for Full Options Listing



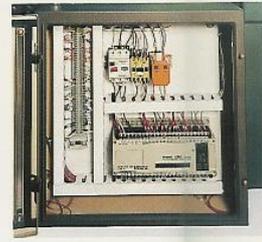
Dual spring-loaded rollers pull the case into the chain and lug side drive.



Calibrated scales provide quick and accurate size changeover.



Chain driven powered hopper accepts up to 150 RSC or HSC cases.



Programmable controller replaces mechanical switches and relays.

Machine Specifications

Power Requirements:

110 VAC, 60Hz, single phase, 10 Amps
Note: Other Voltages are available. Contact Loveshaw for details.

Air Requirements:

.11 cubic ft. per cycle @ 80 psi

Tape Specifications:

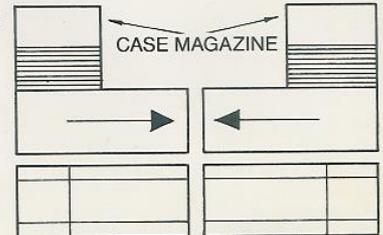
Any commercially acceptable brand of pressure sensitive tape.
Width: 1½" (38mm) to 2" (51mm)
Tape Roll Diameter: 15" maximum on a 3" core
Roll Length: up to 2000 yards (Roll diameter cannot exceed 15")

Production Rate:

Up to 14 cases per minute depending on case size and corrugated quality

Corrugated Orientation:

Printing on case and fold orientation must match footprint of machine.



Left to Right Vertical Case Former Right to Left Vertical Case Former

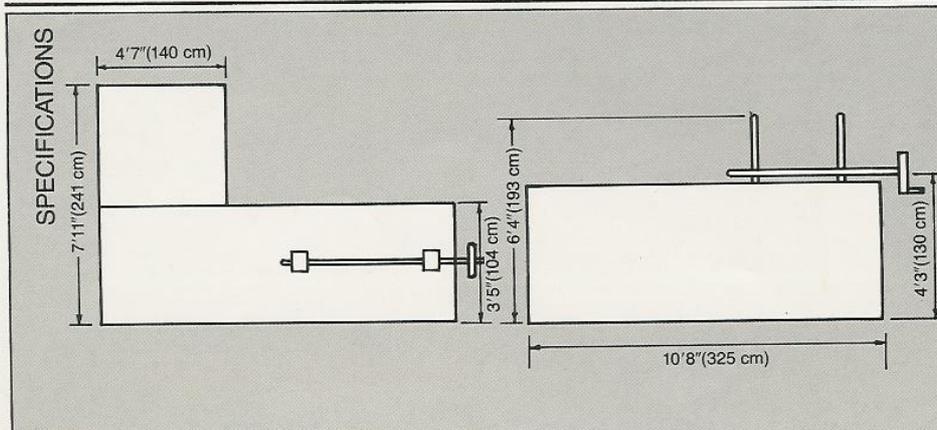
Case Dimensions:

Length: 7" (178mm) to 24" (609mm)
Width: 6" (152mm) to 16" (406mm)
Height: 4" (102mm) to 16" (406mm)

Note: Certain length x width x height combinations may require an optional high lug drive due to unstable conveying conditions.

Weight:

1,750 lbs., (787.5kg), uncrated



Bulletin 0991-2

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