

Little David® Model LD-16A

Fully Automatic Uniform Pressure Sensitive Taper

The Little David® Model LD-16A provides low cost, fully automatic top and bottom case sealing for applications involving large runs of boxes of the same size. Box size adjustments can be made in less than a minute.

With an increasing number of work-related repetitive strain illnesses, the need for total automation is becoming vital to those who process a large number of cases each day.

The LD-16A provides continuous, high-speed case sealing operation without operator assistance. Unsealed, filled boxes of the same size are automatically sequenced into the machine one at a time via an indexing gate. The LD-16A closes all four top flaps and applies pressure sensitive tape to the top and bottom simultaneously. The pressure sensitive tape is wiped down securely by rollers and the box is discharged from the machine, while the next box is automatically sequenced into the LD-16A. If production drops below the high speed maximum, the machine simply waits for the next box. Maximum safety is ensured through the use of safety gates, which shut off the machine immediately when opened and evacuate the air from the pneumatic system.

The LD-16B is similar to the LD-16A in appearance and performance except it can accommodate a wider range of box sizes and apply up to 3" wide tape.

Standard Features

- Bottom belt drive for optimum simplicity
- Permanently lubricated bearings and pneumatic system
- Self-Centering and self-tensioning drive belts
- Heavy Duty CaseLocker ST™ tape cartridge with easy side threading accessibility
- Tip-up Feature for top head to allow for rethreading of tape without removing top cartridge
- Instantly removable and interchangeable top and bottom heavy-duty tape cartridges (no tools necessary)
- Patented finger plate design ensures positive tape feed
- Self centering side rails for easy adjustment for different box sizes
- Top squeezers ensure proper top flap alignment
- Specially designed knife guards for maximum safety
- Pre-drilled holes for easy mounting of Little David Jet Printer heads
- High quality heavy steel structure
- Modular construction permits quick replacements of parts
- Simple installation—The LD-16A is shipped completely assembled
- Made in the U.S.A
- Service centers are located throughout the world
- U.L. Listed

Machine Specifications

Electrical:

115–220 volts, single phase, 60 cycles

LD-16A: ½ Hp domestic drive motor

LD-16B: ½ Hp domestic drive motor

Note: Other voltages are available. Contact Loveshaw for details.

Air Requirements:

0.10 CF free air per cycle at 75 psi (3 liters per cycle, 5 kg per sq. cm.)

Operating Speed:

Continuous belt drive 60 feet per minute (18m)

Production rate depends on box size.

Closure Material:

Filmic pressure sensitive tape of good quality

Width: 1½" (38mm) to 2" (51mm)—LD-16A

1½" (38mm) to 3" (76mm)—LD-16B

Weight:

650 lbs. (295 kg), uncrated—LD-16A

850 lbs. (385 kg), uncrated—LD-16B

Box Capacity:

Length: 8" (203mm) to 24" (610mm)—LD-16A

8" (203mm) to 36" (914mm)—LD-16B

Width: 5" (127mm) to 20" (508mm)—LD-16A

7" (178mm) to 26" (660mm)—LD-16B

*Height: 5½" (114mm) to 20" (508mm)—LD-16A

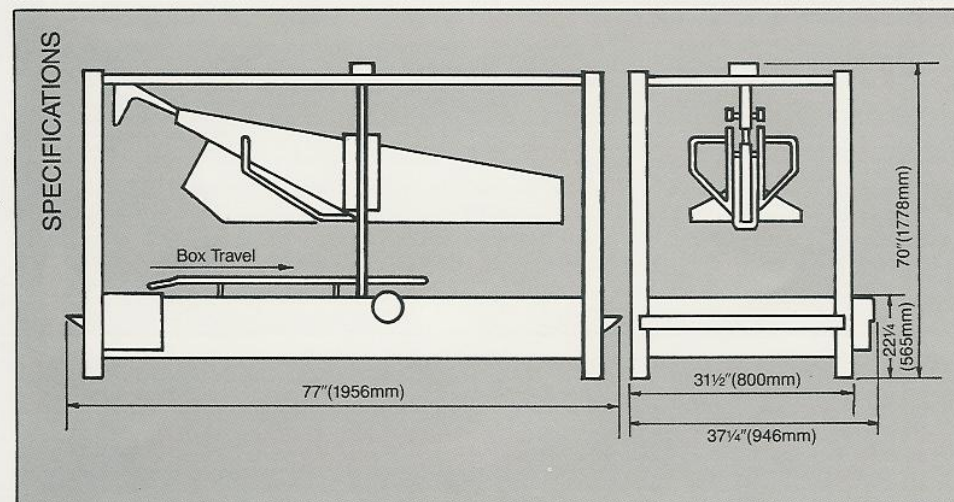
5½" (114mm) to 30" (762mm)—LD-16B

*Optional 4½" minimum box height available

Available Options

- Manual tape selectivity feature permits omission of top or bottom or top and bottom closure
- Automatic manual tape selectivity feature permits omission of top or top and bottom closure
- Special paints; lacquer, enamel, epoxy and special colors
- Spare pressure sensitive tape cartridge
- Spare parts kit
- Standard minimum conveyor height is 22¼" from floor. Other heights to match customer conveyor system are available.

For further options or special box sealing requirements, please contact your local distributor, or call us at 1-800-572-3434.



LOVESHAW

an ITW Company

LITTLE DAVID PRODUCTS DIVISION
Route 296 Box 83
South Canaan, PA 18459
717-937-4921 FAX: 717-937-3229
1-800-572-3434

ITW Padlocker

Unit 9 Brunel Gate,
West Portway Industrial Estate
Andover, Hampshire England SP 10 3 SL
Tel: (1264) 357511 FAX: (1264) 355964



© Copyright Loveshaw Corporation 1996