

## Little David Model LX-800DT Print and Apply Label Application System

We are pleased to submit this budgetary proposal for the Little David LX-800DT Print and Apply Label Application System. ***This quotation is for reference only. A purchase order will not be accepted against this quote. This proposal is contingent upon distributor supplying Loveshaw with a completed labeling site survey.*** The requirement is to print and apply a label to your customers carton. The customer is responsible for product handling and product spacing / indexing to the LX-800DT. The customer is responsible for any conveyor modification required to allow the LX-800DT to apply the label. This may include possible "notching out" the side of the conveyor to allow for clearance of the labeler applicator peel blade and or tamp applicator should the label be required to be placed on or near the bottom of the case. **A full roll of labels will be required with the order to start manufacturing along with the product being labeled for quality assurance and testing.**

### Little David LX800DT Print and Apply Labeling System to include:

1	Little David LX800 Print and Apply Labeling Head with Allen Bradley MicroLogix 1000 PLC	
1	Sato 8485Se Right Hand Thermal Imprinter (203 dpi, 12 ips max. print speed, 5" wide print area)	
1	Dual Tamp/Corner Wrap Rotary Applicator (multi function applicator)	
1	Photoelectric Product Sensor	
1	Photoelectric Label Sensor	
1	Operating Documentation and Manual	
1	Universal Yoke Stand	<b>\$18,170.00</b>

### Options And Accessories

1	Zebra 110PAX4 Right Hand Thermal Imprinter (203 dpi, 12 ips max. print speed, 4.1" wide print area)	<b>\$1,220.00</b>
1	Ethernet or Wireless Card for Sato printer	<b>\$725.00</b>
1	Low Alarm Kit (Printer Service Fault and Low Label)	<b>\$550.00</b>
1	Air Dryer	<b>\$400.00</b>
1	Cleanable Filter	<b>\$50.00</b>
1	LX800DT Spare Parts Kit	<b>\$1,450.00</b>

### Third Party Label Generation Software

1	LabelView "Pro" Software version 9 <i>Includes all basic features plus databases, date, math and ODBC</i>	<b>\$535.00</b>
1	LabelView "Gold" Software version 9 <i>Includes all Pro features plus systems integration</i>	<b>\$1,065.00</b>

**Air Requirements:** 45 psi, 1 CFM (Air Assist) .5 CFM otherwise. **Warning:** Do not use compressed air containing chemicals, synthetic oils containing organic solvents, salt, or corrosive gases, as this can cause damage or malfunctions.

**Power Requirements:** 115 volts +/- 10% AC 50/60 Hz; 5 amps maximum. **Customer is responsible to supply a dedicated 115 volt; AC 20 amp circuit for the system.**

**Lead Time:** Currently estimated to be 4-6 weeks. **However, a specific date will be provided upon receipt of order, approved labeler site survey, labels and product.**

**Delivery:** FOB South Canaan, PA

**Terms:** All orders over \$20,000.00 will require a 30% down payment. However, custom orders (custom software and/or custom conveyance, etc.) over \$10,000.00 will require a 50% down payment

All other orders net 30 days from shipment.

**INSTALLATION AND TRAINING:** Installation and training is the responsibility of your distributor. Loveshaw has available technicians for setup and training of the labeling system(s). If our assistance is purchased please see below for specific end-user responsibilities.

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### **Factory Set-up and Training - Labeling Systems**

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#### **INSTALLATION:**

##### **Customer Responsibilities:**

- Ensure that the machine(s) is uncrated/unboxed and in line with utilities (air & electric) connected prior to Loveshaw's arrival for start-up.
- Ensure that any equipment not supplied by Loveshaw but required to interface with Loveshaw equipment is tested and debugged. This may include computers, PLCs, scanners, software, interface cables, conveyors, etc.

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#### **START-UP**

##### **Customer Responsibilities:**

- Ensure scheduling of training for personnel immediately after start-up in complete
- Sign-off on completion of training & instruction.

##### **Loveshaw's Responsibilities:**

- Loveshaw will provide a factory technician at the predetermined rates.
- Loveshaw will perform start-up that will include labeler cycling and final adjustments to end-users actual environment.
- If Labelview (label design software) is provided by Loveshaw, a basic training will be provided that covers user interface, printer settings, label setup, data sources, adding objects and printing. This is for a single label template design only.  
(Training on advanced features such as database connectivity is not included)
- Start-up will also include up to three (3) shifts of training for personnel and not exceed a total of 16 hours *(If start-up and/or training exceed 16 hours for any reason beyond Loveshaw's control, this time will be chargeable.)*

## 1 YEAR WARRANTY

(EXCEPT FOR MOVING PARTS WHICH ARE SUBJECT TO NORMAL WEAR, TEAR AND REPLACEMENT WHICH ARE WARRANTED ONLY TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP).

**WARRANTY EXCLUDES CUSTOMERS SELECTED OEM THERMAL TRANSFER PRINTER OR MATERIAL HANDLING SYSTEM. PRINTER AND/OR CONVEYOR WARRANTY AVAILABLE UNDER SEPARATE COVER.**

\*LIMITED WARRANTY – **LOVESHAW,**

**WARRANTS ONLY THAT THE GOODS SOLD BY IT SHALL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP, UNDER PROPER AND NORMAL USE AND MAINTENANCE, AS FOLLOWS:**

THE WARRANTY PERIOD SHALL COMMENCE AS OF THE DATE OF DELIVERY TO THE PURCHASER. THE OBLIGATION OF LOVESHAW UNDER THIS WARRANTY IS STRICTLY LIMITED TO THE COST OF REPAIRING OR REPLACING, AS LOVESHAW MAY ELECT, ANY PART OR PARTS THAT PROVE IN LOVESHAW'S JUDGEMENT TO HAVE BEEN DEFECTIVE IN MATERIAL OR WORKMANSHIP AT THE TIME THE GOODS WERE SHIPPED FROM LOVESHAW'S PLANT. ANY WARRANTY CLAIM NOT MADE IN WRITING TO LOVESHAW AT ITS HOME OFFICE WITHIN THE APPLICABLE WARRANTY PERIOD AND WITHIN 10 DAYS OF FAILURE WILL NOT BE VALID. THIS IS THE SOLE AND EXCLUSIVE REMEDY AVAILABLE UNDER THIS WARRANTY. UNDER NO CIRCUMSTANCES WILL LOVESHAW BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES.

IF REQUESTED BY LOVESHAW, PURCHASER SHALL RETURN ANY DEFECTIVE PART OR PARTS TO LOVESHAW'S PLANT, FREIGHT PREPAID. ALL WARRANTY PART REPLACEMENTS AND REPAIRS MUST BE MADE BY LOVESHAW OR A LOVESHAW DEALER AUTHORIZED TO HANDLE THE GOODS COVERED BY THIS WARRANTY. ANY OUTSIDE WORK OR ALTERATIONS DONE WITHOUT LOVESHAW'S PRIOR WRITTEN APPROVAL WILL RENDER THIS WARRANTY VOID. **LOVESHAW,** WILL NOT ASSUME ANY EXPENSE OR LIABILITY FOR ANY REPAIRS MADE TO ITS GOODS OUTSIDE ITS WORKS WITHOUT ITS PRIOR WRITTEN CONSENT. THIS WARRANTY SHALL NOT APPLY TO ANY ITEM THAT HAS NOT BEEN USED, OPERATED, AND MAINTAINED IN ACCORDANCE WITH LOVESHAW'S RECOMMENDED PROCEDURES. LOVESHAW SHALL HAVE NO LIABILITY WHATSOEVER WHERE THE GOODS HAVE BEEN ALTERED, MISUSED, ABUSED OR INVOLVED IN AN ACCIDENT.

NO PERSON IS AUTHORIZED TO MAKE ANY WARRANTY OR TO CREATE ANY LIABILITY BINDING UPON LOVESHAW WHICH IS NOT STATED IN THIS WARRANTY. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, WHICH ARE HEREBY EXCLUDED. IN PARTICULAR, THE IMPLIED WARRANTY OF MERCHANTABILITY, AS WELL AS THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED.

# LOVESHAW

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**LABELS:** In order to obtain optimum efficiency of Little David Labeling Systems, labels must be manufactured

in conformance with the specifications attached.

**Label Specifications:** Label Length 1" minimum to 6" maximum. Label Thickness: .001" to .010". Label Web Width: 1" minimum to 4.125" maximum (maximum label width is 4"). Label Roll capacity" 11 7/8" OD roll with 3" core. Longer labels may require a 4" core to prevent "Label Memory" when dispensing near the end of the roll. Labels are to be die-cut with 1/8" spacing (Inter label gap). Minimum backing paper width is 1/2". See "Label Spec" below.

### **LABEL CONVERTING SPECIFICATIONS**

In order to insure the labeling machines function, the following label specifications are offered as part of this proposal. Seller recommends that Buyer include a copy of these specifications with Buyer's purchase order for labels from Buyer's label converter. There may be exceptions to these specifications, depending upon the particular label construction used.

1. Labels shall be converted with 3 mm  $\pm$  .13 mm minimum spacing between labels, and a minimum side gap of 1.5 mm  $\pm$  .15 mm slit on each side of the label. Maximum media width is determined as appropriate for the print engine selected. Labels shall not be converted with perforations of other separations between labels. Additional label tolerances specified shall be as per diagram "A"[attached, if any].
2. A standard minimum 76 mm ID core is recommended [101 mm or 152 mm ID cores may also be acceptable]. Standard maximum roll OD shall be 305 mm [rolls up to 406 mm may also be acceptable]. Cores shall be slit cleanly to the final media width, including tolerance, and shall be of such composition to resist crushing distortion. The roll end shall not be attached to the core with tape or adhesive.
3. Labels shall be wound to the outside of the roll unless otherwise specified. The labels shall be cleanly die cut, waste removed with no nicks or marks to the outside label perimeter, and centered on the backing media. If possible [unless otherwise specified] the labels shall be oriented: (1) to feed the trailing edge perpendicular to the backing media edge; and, (2) to feed the label with its shortest dimension parallel to the feed path.
4. There shall be no strike-through or fractures of the backing media by the label-processing die, which can be detected by ink or marker penetration after wiping. There shall be no tears or cuts on the backing media edges. The backing media shall be of a uniform density and thickness. It shall be sufficiently translucent as to assure reliable gap detection, given the label stock selected.
5. All eye marks or sensing notches shall be located with the same tolerance as specified for the labels and located on the backing media as is appropriate for the print engine selected. Eye marks shall be opaque, of a uniform density, and a minimum of 6 mm in width by 3 mm in the feed direction. Sensing notches, if possible, shall be as small as practical and located away from the edge of the backing media.
6. The label rolls shall not be wound so tightly as to cause the adhesive to bleed out from around the label edges nor so loosely as to cause roll telescoping. The labels shall be wound with consistent wind tension and shall be flat within 3 mm when measured from a reference surface.
7. Where splicing is necessary in the label roll, splicing shall be consistent with the requirement of the automatic labeling machinery. Preferred splices, when required, shall be of a diagonal style, using a clear transparent pressure sensitive tape applied to the backside of the backing web only (non-release-coated side). All factory splices shall be removed, unless they meet the preferred splice specification.
8. All finished label rolls shall be appropriately marked for identification per customer requirements and shall be packed to assure that the rolls arrive clean, flat and without shipping damage.
9. The label adhesive shall be tested thoroughly to insure the compatibility of the label to the Buyer's product and to have the proper amount of permanence or removability according to Buyer's specifications. All face stock and adhesive combinations are subject to testing for dispensability on automatic labelers prior to acceptance.