

# »ultimate flexibility«

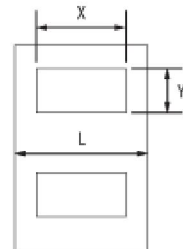
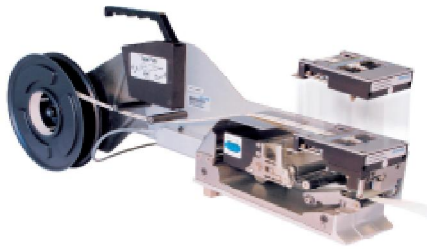
Fig. 1 - LP Series Compatibility Matrix:

Type	Manufacturer	Machine Model
LPA	Assembleon	ACM, FCM-II, GEMXI, GEMXI-II
LPJ	JUKI	700 & 2000 Series
LPG	Assembleon-GEM	GEM, GEMX, GEMX-II
LPG	Yamaha	Rick
LPU	Universal	GSM series, Genesis, Advantis
LPP	Panasonic	MPAW2, MPAG3, MSF, MCF
LPF	Fuji	IP, QP2, QP3, XP
LPSG	Samsung	CP20 & 30, CP40 & 45, CP50, CP60
LPS	Siemens	Siplace
*	Mydata	MY and TP
*	Europlacer Xpress	Flexys10, Finesse <sup>2</sup> , Vitesse <sup>2</sup>

\* Please contact Hover-Davis for further details.

Fig. 2 - Applicable Label Dimensions:

	Min.	Max.
X	4 mm	38 mm
Y	4 mm	50 mm
L	6 mm	40 mm



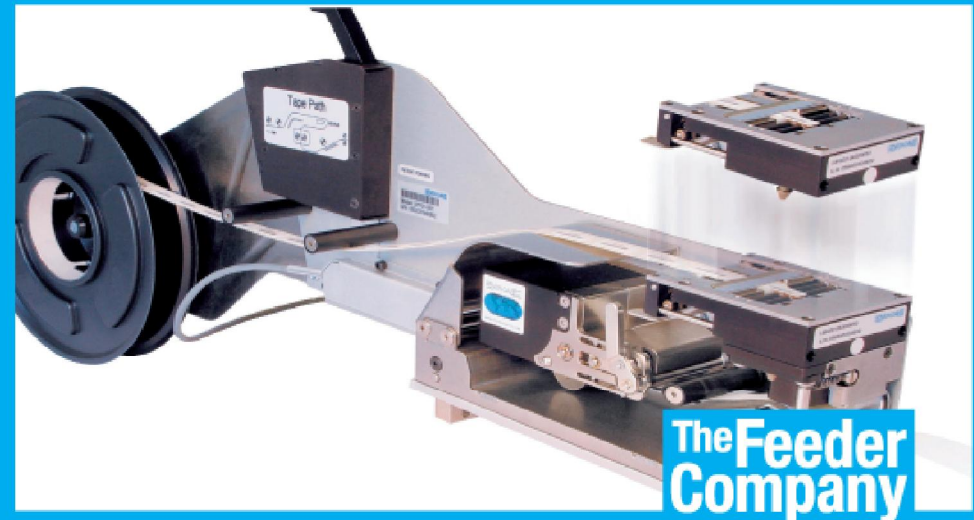
Additional Performance Data:

Parameter	Value
Feeder Width	61.7 mm
Feed Rate	53 mm/s
Pick Point Repeatability	± 0.25 mm



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# »LP Series label feeders«



The Feeder Company

www.hoverdavis.com

Pick and place labels just like any other component with the LP Series of label presenters.

### Features

- Simple to use
- Automatically places labels using existing pick-and-place equipment
- Fits on to the placement machine like any other feeder
- The most flexible solution for board labelling
- Faster and more accurate than hand placement
- Reliable, electronic operation
- Requires no additional floor space
- Low maintenance costs
- Saves time and money

LP Series Label Feeders, compatible with:

- Assembleon
- Europlacer
- Fuji
- Juki
- Mydata
- Panasonic
- Samsung
- Siemens
- Universal
- Yamaha

HOVER-DAVIS

# »a unique approach«

## Identification Requirements

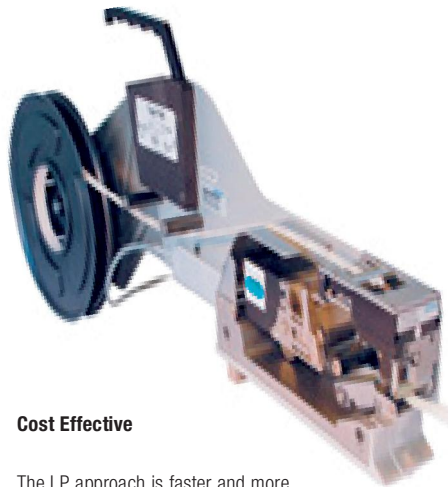
PCBs need to be marked for a number of reasons – product identification, traceability and process flow control are just a few. By far the most common method used is the application of labels, usually by hand. This can add significantly to labour costs and placement accuracy can be questionable, especially if the label data is to be read automatically down-stream, for instance in an AOI system. If a pleasing cosmetic result is required hand placement should not be the method of choice.

Other Identification methods are available: in-line label applicators being the favourite. These can however be expensive both to buy and to own. A high initial purchase cost can be difficult to justify, ongoing maintenance also needs to be considered, as does the additional factory floor space they consume. Laser marking is another option and while this does facilitate real time data marking it comes with compounded cost penalties and is not suitable for all applications.



## A flexible alternative

Why not use your existing placement equipment to place labels? A Hover-Davis LP series label feeder fits easily onto existing placement machines and presents the labels to the pick-and-place machine as if they were just another component. Add a vision file for the label as a leadless chip component and your work is done! No special programming or training required.



## Cost Effective

The LP approach is faster and more accurate than hand placement: Labels are placed at the normal machine rate and as accurately as normal components. The result is a far more cost effective solution to board marking.

# »labels and more«

## Modular Construction

A simple, modular approach to feeder design adds to the overall flexibility of the LP series – the concept involves two basic components. First: the machine specific feeder element (LP) which provides the mechanical and electrical interface to the host machine. (See LP Series Compatibility Matrix, Fig. 1). Second: the label specific module (LMG) that is designed specifically to peel and present the label stock. (See Applicable Label Dimensions, Fig. 2). If you require multiple label sizes, or your common design changes, simply introduce a different label module. If your company utilizes, or introduces, various machine types a different LP can be used.

## Versatile

The LP Series is extremely versatile. The flexibility of the label module means it can also be adapted to present a wide assortment of adhesive backed products just a few of which are illustrated below.

## Label module

Label modules are interchangeable: This allows the user to quickly and efficiently change label sizes without the need for tools. Simply use the release lever on the base feeder, lift the module off and replace it with a new module. The one-piece design has all the size-specific parts that are required for the new label, including the tensioner mechanism.

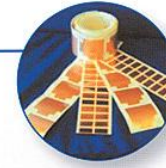
Customers will like the flexibility of this system. The LMG design allows the user to purchase one base feeder and multiple modules. This saves the customer money and makes it easier to justify the expense. The LMG can be exchanged between all feeders in the LP series. For example, it is possible for a customer with a Label Presenter for a Panasonic machine, to use the same LMG for a specific label on a Label Presenter for a Juki machine.

## Not Only Labels ...

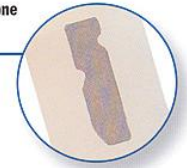
gaskets



shields



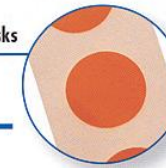
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touch pads



solder masks



... And More