# ALF14
# Label Feeder

## Cost-effective traceability automation

Fast, efficient and easy to use, the ALF14 label Feeder offers automated label application at affordable prices. Labels are simply treated like any other component and placed with the accuracy of your pick and place machine. Its compact and durable design allows for flexibility and simplicity, bringing automated traceability within everyone's reach.

### ALF14 Label Feeder Benefits:

**Fast & Efficient**

- Easy label loading, machine loading and set up saves time
- Fast sensing and dispensing that keeps up with your pick and place machine
- Automates SMT Line traceability at a low cost

**Flexible**

- One model suitable for a wide range of label sizes
- Adjustable liner width allows for liner variance and avoids downtime
- Modular system, no need to replace the entire feeder if you change your pick and place machine

**Engineering simplicity**

- Compact size, requiring only limited feeder space
- Simple, robust design with great durability keeps your lines running
- Signal interface allows for easy machine compatibility

**Label Supply: UltraTemp™ Series High Heat Labels**

Coupled with Brady's UltraTemp traceability labels, the ALF14 Label Feeder enables durable and reliable printed circuit board traceability. Ultratemp labels resist extreme temperatures and harsh chemicals and are designed specifically for use in SMT lines. Flat and rigid, Ultratemp labels can be placed with high accuracy and speed, and they stay attached and remain legible throughout the production process.

## Technical Specifications

### ALF14-25 Features

| | |
|---|---|
| Weight | 460 gr |
| Dimensions | 115 x 43 x 54 mm |
| Height of pickup position | 50 mm |
| Chopping time | 0,25s for 6,35 mm*6,35 mm label |
| Conformity | RoHs, CE |
| Voltage | 24V |
| Power Consumption | max 24W |
| Current Consumption | max 1A |
| Power Supply Options | Main supply wall plug charger, Machine cable (Eurplacer, Fritsch, Juki, Siemens, Yamaha) |
| Connector | 9pin SUB-D Male |

### Compatible Pick & Place Systems

| | |
|---|---|
| Siemens ASM Siplace Series | Juki Series 2000 |
| Europlacer | MyData |
| Fritsch | Samsung SM Series |
| Fuji NXT | Yamaha |
| Heeb innotec | Assembléon |
| Hitachi | Others pending |

### Signal Interface

Label Feed Request
Label ready
Error

### Label Specifications

| | |
|---|---|
| Minimum Label Size | 4 mm *4 mm |
| Maximum Label Size | 23 mm * 23 mm |
| Maximum Liner Width | 26 mm |
| Label Conveying Speed | 10 - 200 mm/s |
| Label Positioning Frequency | up to 6 labels/second (depends on label size) |

## UltraTemp™ Series
### High Heat Labels

- SURVIVES HIGH HEAT (260°C) AND HARSH CHEMICALS
- PERFORMS IN REFLOW, WAVE SOLDER AND BOARD WASHING
- ESD AND AUTO-APPLY EQUIPMENT AVAILABLE

| B# | Base material | Colour | Finish | Adhesiv | Thickness* (µm) | UL Recognised | CSA Accepted | Application | Solvent | Fuel/Oil | Abrasion | High Heat | Low Temp | Removable | Electrostatic Dissipative |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B-436 | Polyimide | Amber | Matt | Removable | 104 | | | Printed Circuit Board and Component process labelling, cleanly removable | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| B-717 | Polyimide | White | Gloss | Permanent | 106 | ✓ | | Printed Circuit Board and Component process labelling, static dissipative adhesive | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| B-718 | Polyimide | White | Gloss | Permanent | 84 | ✓ | | Printed Circuit Board and Component process labelling, static dissipative adhesive | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| B-719 | Polyimide | White | Matt | Permanent | 84 | ✓ | | Printed Circuit Board and Component process labelling, static dissipative adhesive | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| B-724 | Polyimide | Amber | Matt | Permanent | 111 | | | Printed Circuit Board and Component process labelling | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| B-727 | Polyimide | White | Gloss | Permanent | 111 | ✓ | | Printed Circuit Board and Component process labelling | ✓ | | ✓ | ✓ | ✓ | | |
| B-728 | Polyimide | White | Matt | Permanent | 111 | ✓ | | Printed Circuit Board and Component process labelling | ✓ | | ✓ | ✓ | ✓ | | |
| B-729 | Polyimide | White | Matt | Permanent | 86 | ✓ | | Printed Circuit Board and Component process labelling | ✓ | | ✓ | ✓ | ✓ | | |
| B-776 | Polyimide | Green | Gloss | Permanent | 111 | ✓ | | Printed Circuit Board and Component process labelling | ✓ | | ✓ | ✓ | ✓ | | |

*Thickness excluding liner

### Pre-printed / Print on-site

Brady supplies pre-printed labels according to your specifications ready for use in the ALF Label Feeder
Brady supplies blank labels and DIY printing solutions that can be coupled with the ALF Feeder for complete on-site traceability solutions