

Model F1700 Board Elevator (Wave Loader)



A FlexLink standard solution

5114EN-3

Guided carriage assembly changes elevation or transfer angle



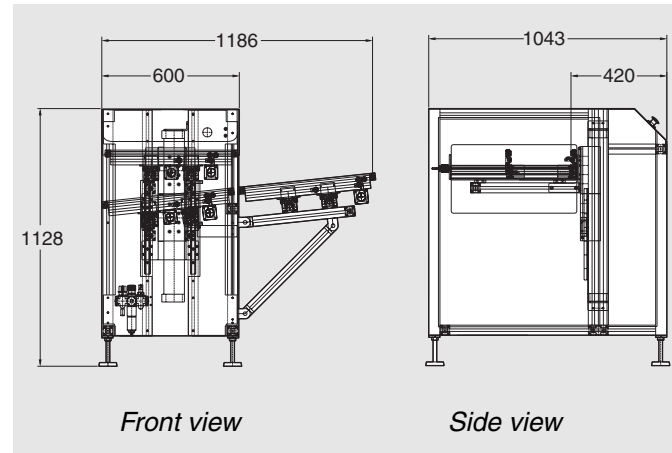
The model F1700 Elevator is used when an elevation or transfer angle change is required in a production line. The unit is typically used before and after a Wave Solder machine.

The Elevator uses a pneumatically actuated guided slide assembly to accurately change elevations or transfer angles at cycle times under 9 seconds.

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Standard features

- SMEMA compatible
- ESD safe design
- Pneumatically actuated carriage assembly
- Protective safety covers non ESD
- PLC controlled
- Independent stepper controlled belt section with “open transfer” technology
- Standardized ESD belting system
- Hand crank width adjust



Options

- CE compliance
- Programmable width adjust
- ESD protective safety covers
- Infeed and discharge platforms. **Discharge platform is required for board lengths under 150 mm (5.9"). Platform length 586 mm (23"), total module length 1186 mm (47").**
- Pneumatically actuated, “horizontal” tilted carriage assembly; matching wave angle
- Pneumatically actuated, “vertical tilted” carriage assembly; matching workstation angle
- Servo controlled lifting mechanism.



Lift mechanism

Installation requirements

- Power: 220–240 V AC 50 Hz, 5 A or 110–120 V AC 60 Hz, 10 A
- Pneumatics: 550 kPa at 36 l/min (80 psi at 2 cfm)

Technical characteristics

- Machine dimensions (L×W×H): 1186 mm × 1043 mm × 1128 mm (46.7" × 41" × 44")
- Machine weight: 90 kg (198 lbs.)
- Average cycle time: 9 s
- Line length, **excluding infeed and discharge platforms**: 600 mm (23.6")
- Transfer elevation: 940 mm ± 50 mm (37" ± 2")
- Conveyor speed: 25–530 mm/s (1"/s–21"/s)



Control panel

For more information, please contact your local FlexLink sales unit. Specifications are subject to change without notice.