Automatic PCB Loader



TRA LX-330

Magazine-fed board loading for SMT production lines.

900 ± 20 mm	Left to right	SMEMA
TRANSFER HEIGHT	BOARD FLOW	LINE INTERFACE

Technical Specifications

The **LX-330** feeds PCBs from a magazine to the next machine in an SMT line. A ball-screw lift indexes the magazine to the transfer level, and SMEMA coordinates the handoff.

BOARD HANDLING & CONTROLS	
PCB transfer direction	Left to right
Conveyor transfer height	900 ± 20 mm
Magazine dimensions	355 × 320 × 565 mm
Magazine lift step settings	10 / 20 / 30 / 40
Allowable PCB size	Confirm for the ordered unit[1]
Operator interface	7-inch touchscreen, PLC control
Line interface	SMEMA

UTILITIES & MACHINE SIZE	
Input power supply	220 V AC, 50/60 Hz
Rated power	220 W
Supply air pressure	5 kgf/cm²
Overall dimensions (L × W × H)	1330 × 765 × 1250 mm
Net weight	190 kg

[1] The manufacturer brochure lists 130 × (50–250) mm. The distributor lists 330 × (50–250) mm. Confirm the allowable board dimensions before selecting the loader.

Line Integration

Magazine infeed

The lift brings the next magazine slot to the transfer level.

Board transfer

The loader feeds each board into the downstream conveyor.

SMEMA handoff

Signals coordinate board release with the receiving machine.

Product Views

The magazine path, operator controls and lift mechanism.



01

Front view

Cabinet and magazine conveyor.



02

Right three-quarter view

Cabinet side and board transfer rails.



03

Operator panel

Touchscreen and emergency stop.



04

Lift mechanism

Ball screw and guide columns.

The right three-quarter view is reconstructed from the catalogue photos.

Machine Design



RIGHT THREE-QUARTER VIEW

Adjustable magazine indexing

The lift step can be adjusted to suit the board and component clearance.

Operator access

A 7-inch touchscreen provides access to setup and operation. The emergency stop is mounted on the panel.

Fault indication

The alarm system provides audible and visual alerts, with messages to help identify the fault.