Automatic PCB Unloader

TRA ULX-330

Controlled transfer. Organized collection.

AUTOMATIC MAGAZINE UNLOADING



900 ± 20 mm	PLC + Touchscreen	220 W
TRANSFER HEIGHT	CONTROL	RATED POWER

Technical Specifications

Automatic magazine unloading at the end of an SMT line. The **ULX-330** receives boards from upstream equipment and transfers them into a magazine for organized collection.

BOARD HANDLING & CONTROLS	
PCB transfer direction	**Left to right**
Conveyor transfer height	**900 ± 20 mm**
Operator interface	**Touchscreen**
Control system	**PLC**
Lifting mechanism	**Ball screw with steel guide columns**
Magazine / rack dimensions[1]	**355 × 320 × 565 mm**
PCB size range[1]	**Confirm for the ordered unit**
Rack indexing	**Selectable step settings**

UTILITIES & MACHINE SIZE	
Input power supply	**AC 220 V, 50/60 Hz**
Rated power	**220 W**
Supply air pressure	**5 kgf/cm²**
Overall dimensions	**1680 × 765 × 1250 mm**
Net weight	**230 kg**

Line Integration

01

Receive

Boards arrive from the upstream machine.

02

Transfer

The pusher transfers each board into the magazine.

03

Index

The lift positions the rack for the next unloading cycle.

Product Views

The complete machine, operator controls and lifting assembly.



01

Front view

Cabinet and magazine unloading assembly.



02

Right-side view

Frame depth and board transfer rails.



03

Operator panel

Touchscreen and emergency-stop control.



04

Lift mechanism

Ball screw, motor and guide columns.

Machine Design



LEFT THREE-QUARTER VIEW

Controlled rack movement

Ball screw lifting and a braking system support positioning during magazine unloading.

Operator access

Touchscreen operation keeps the control interface accessible. The emergency stop is mounted on top of the cabinet.

Fault indication

Audible, visual and text indications help the operator identify machine interruptions.