

## Lzero3



### Features

The **Lzero3** Automatic Storage Cabinet (ASC) is a highly flexible and expandable SMT component storage system that intelligently manages your stocked items for near-production deployment. The **Lzero3** networks with existing MRP/ERP systems and efficiently picks/restocks factory work orders, while maintaining traceability and environmental exposure for each component throughout your controlled process. Designed for flexibility.

The **Lzero3** enables higher operating efficiencies in flexible SMT manufacturing environments through near-production deployment. With **Lzero3**, you'll have complete visibility of your inventory and eliminate waste associated with manually picking and restocking SMT components, thus, allowing employees to be retrained in higher value work centers in your factory. Overall cycle time to process a customer order is no longer limited by the time required to pick or restock parts. **Lzero** increases control of your inventory and maximizes your responsiveness to the most demanding requests.

**Lzero3** allows the simultaneous insertion and extraction of up to 36 reels at a time (7" configuration) or up to 27 reels at a time (Standard and Mixed configuration).

### Highly Flexible Configuration

The **Lzero3** can store 7" reels from 8mm to 24mm in height, and, 13-15" Reels up to 32mm in height. It needs just two square meter of floor space to store up to 1583 7"wide/8mm high reels, or up to 2083 with extension.

We offer three different versions, but, **Lzero3** is re-configurable, allowing you to adapt your ASC to future changes in inventory profile.

# Electronic storage and retrieval cabinet

## exL extension:



Stocking capacity can be enlarged by the extension storage module. Placed on the top of the Lzero3, it stores 500 extra reels 7" thick by 8mm high or 250 12-16mm high.

## esr humidity control:

The cabinet may optionally be equipped with a humidity absorption unit to store components sensitive to humidity (MSDs). RH<5%

## Key benefits

- Integrated Barcode scanner registration
- Multiple reel loading/retrieval
- Storage location monitored
- Minimizes risk of operating errors
- Reel, tray, stick, odd form traceability
- All relevant component information can be managed (datecode, part number, supplier, manufacturer, delivery note etc.)
- Near real time stock movements stored
- Automatic minimum stock monitoring
- "Absolute" F.E.FO. prioritization retrieval
- Job orders management
- Efficient, easy to use, touchscreen software
- Temperature and humidity recorded Optional
- Moisture Sensitive Level according to IPC/JEDEC's J-STD-20
- Data synchronization with company's ERP
- Ready for new 7" x 24mm thick reels too

## Technical data:

|                  |   |
|------------------|---|
| Dimension        | 2580x1350x2450mm<br>9.3'l x 4.4'd x 8'h                 |
| Weight           | 900 kgs / 1984lbs                                       |
| Extension dim.   | 2580x1350x750mm<br>9.3'l x 4.4'd x 11'h                 |
| Extension weight | 200kgs / 440lbs   |
| Power supply     | 100-240 VAC, 50/60 Hz 6A<br>(10A with humidity control) |

## Basic configuration:

| Type            | REELS CAPACITY |      |        |
|-----------------|----------------|------|--------|
|                 | TOTAL          | 7"   | 13-15" |
| LZERO3 Standard | 1100           | 900  | 200    |
| LZERO3 Mixed    | 900            | 635  | 265    |
| LZERO3 7"       | 1583           | 1583 | -      |
| Extension       | 500            | 500  | -      |



## WMS Flexible Software Solution:

### ade:

The **WMS** control software can be implemented with an Automatic Data Exchange module to connect:

- SMD production machine
- Company management software (accounting, inventory control software, etc...)
- Enterprise Resource Planning (ERP)
- Manufactured Resource Planning (MRP)
- Supply Chain Management (SCM)

### apo:

Advanced Planner and Optimizer is designed to help a company improve production planning. It offers planning and optimization functionalities in different business processes of Demand Planning, Supply Planning and Production Planning Detailed Scheduling.

### hdm:

The humidity data monitoring systems enables a permanent control and physical tracking of the exposure time (the time in which the component is exposed to the normal atmosphere) and the calculation of the remaining "Floor Live Time" (residual time in the atmosphere) of the moisture sensitive component.