

# europlacer





## A PRODUCTION-WIDE ISSUE

Effective materials control can deliver the biggest productivity advantage to an electronics manufacturing line, even one where each assembly process is optimised to perfection. It's a wider issue. An issue where space, component identification, handling characteristics, material movement functions and operator challenges combine to constrain efficiency.

Or you can choose to make it an issue that is managed and automated to eliminate those constraints. Europlacer knows how with Integrated Intelligence™ and expertise that extends beyond the assembly line. Proven investment returns show how Europlacer storage solutions have allowed companies to redeploy operators from stock management into more productive line-side roles, achieving greater throughput in the same amount of time.



//

Even before you start up the assembly line, intelligent line-side & warehouse storage delivers astounding improvements in productivity and build quality, not to mention control and traceability as standard.

//



# INTEGRATED INTELLIGENCE

## AUTOMATIC EXPANDABLE STORAGE

Europlacer's Lzero3 storage cabinet offers flexibility and expandability far beyond that of any other intelligent storage solution. With a capacity to 2083 reels, it is the hub of line-side & warehouse logistics. Every aspect of the process is optimised by the in-built WMS software suite. Lzero3 automatically scans incoming reels for identification, measures them to assess size, validates the storage requirement and moves each reel to the ideal internal location.

Reel widths from 8mm to 32mm and diameters from 7 inches (180mm) to 15 inches (380mm) are catered for without the need for specialised containers, with three base Lzero3 configurations offering a range of storage choices. Optional extension units fit on top of the basic cabinet, making no impact on floorspace. If required, oddform components placed in standardised trays are handled and stored with equal automatic ease.



Warehouse Management Solution

PACKAGING

Search  Search Cancel

Code	Item code	Description	Job order	Type	Quantity	D
0000023342	USRELM317MD	LM317MDCYR SOT223 SMD		SMD	395.00	15
0000023340	DSILL4148	-NXP- PMLL4148L SMD		SMD	2,500.00	15
0000023339	DSILL4148	-NXP- PMLL4148L SMD	F854 - 07/10/21	SMD	2,500.00	15
0000023338	DSILL4148	-NXP- PMLL4148L SMD	F878 - 15/10/21	SMD	2,500.00	15
0000023337	DSILL4148	-NXP- PMLL4148L SMD	F878 - 15/10/21	SMD	2,500.00	15
0000023335	DSILL4148	-NXP- PMLL4148L SMD	CRD.001.254-FI	SMD	484.00	15
0000023333	DSILL4148	-NXP- PMLL4148L SMD		SMD	1,482.00	15
0000023332	DSIBAT54C	DIODO BAT54C SOT23 SMD		SMD	2,515.00	15
0000023331	DSIDALC208SC6	DIODO DALC208SC6 SMD		SMD	834.00	14
0000023329	USMRMCF51AC25	MCF51AC256ACLKE LQFP-80 SMD	JOB PCS	SMD	450.00	15
0000023328	USMRMCF51AC25	MCF51AC256ACLKE LQFP-80 SMD	F886 - 19/10/21	SMD	50.00	15
0000023327	RS1K470,00206	RES. SMD 470K 1% 1206		SMD	5,000.00	15
0000023326	RS1K470,00206	RES. SMD 470K 1% 1206		SMD	5,000.00	15

Extract Fast extract Blocked Expired Add

Insert Users Settings Integration Alerts

## AUTOMATIC EXPANDABLE STORAGE



## SECURE ODDFORM & PCB STORAGE

The Szero range of convenient manual storage systems includes models designed for printed circuit boards and oddform parts, including sticks, trays, tools, oversized reels and loose devices. Szero cabinets boost productivity through highly efficient inventory management without the automation. All are key elements of an effective materials handling domain managed by Europlacer's intelligent WMS software suite residing on the Lzero3 cabinet.

Like its Lzero counterparts, each Szero cabinet uses barcoded or data matrix labels to identify, track and manage parts in a line-side storage environment. And to provide full traceability data. Unambiguous guidance ensures that operators find it easy to adhere to 'First In First Out' (FIFO) and 'First Expiring First Out' (FEFO) regimes.

**SIMPLE &  
SCALABLE**

**FULL  
TRACEABILITY**

**HUMIDITY  
CONTROLLED**

Moisture sensitive devices present a serious assembly issue that requires a high level of control. Europlacer storage cabinets deliver that control.

A lack of proper control for MSDs can result in internal component damage during reflow due to moisture expansion. This can create insidious latent component defects that escape inspection and test. Both Lzero3 and Szero cabinet ranges can be equipped with absorption units that control humidity to safeguard moisture sensitive devices.

Optional Europlacer humidity control systems contain the environment within a storage cabinet to less than five percent relative humidity. While delivering permanent RH control, WMS software tracks exposure to calculate remaining 'floor live times' for devices exposed to ambient atmospheric conditions before specifications are exceeded.

### LZERO

- Up to 2083 unit locations
- Automatic unit handling
- Concurrent multiple loading
- Eliminates reel boxes
- Storage trays for oddforms
- Built-in WMS software

### SZERO

- Secure oddform storage
- Reels over 40mm thick
- PCB and tool storage
- Humidity control option
- Full traceability
- WMS slave cabinet

## SECURE ODDFORM & PCB STORAGE



## EVERYTHING UNDER CONTROL

WMS knows the exact location of every reel, stick and tray across the production environment including on the live line in feeders or in trolleys. It handles multiple jobs, stock deployment priorities, MSD exposure directives and quarantine requirements. As an option, it offers seamless integration with ERP, MRP and SCM systems for business-wide efficiency. Operators can input units absolutely anywhere, then simply load and go. It is the ideal 'stock and forget' solution.

Clear graphical scenarios make procedures unambiguous. WMS integrated intelligence provides live production metrics:

- common elements across current jobs
- number of jobs that can be completed before kitting commences
- acceptable alias data for uninterrupted assembly
- data filtering to supplier and OEM level for locked-down designs
- task guidance for returning part-used reels to storage
- real-time stock control

“ Managing lot sizes of one is a prerequisite for lean manufacturing. With WMS, production engineers can resolve to single units – one reel, one tape, one stick, one tray – and manage each individually. ”

Europlacer Warehouse Management Solution (WMS) software is the heart of every effective line-side or warehouse storage domain. It is integrated into Lzero3 cabinets and links to Szero units. WMS delivers precise material control and tracking for every assembly logistics phase from data input and incoming materials, through job planning and picking sequencing, to kitting and re-stocking.

It's a fully paperless process. Bar code scanning provides the data needed to validate, trace, store and plan. Kitting is automatically optimised against stock levels, availability and job schedules.

## WMS

Receipt of parts	Approval control	Labelling & identification
Goods inwards	Planning	Picking
Set-up SMT lines	Material Consumption	Return parts to warehouse
Traceability	FIFO & FEFO	Stock expansion



LZERO CONFIGURATION	LZERO CABINET			EXTENSION			TOTAL REELS (max)
	7" reels	13" - 15" reels	Total	7" reels	13" - 15" reels	Total	
SMALL	1583	0	1583	500	0	500	2083
STANDARD	900	200	1100	500	0	500	1600
				250	60	310	1410
MIXED	635	265	900	500	0	500	1400
				0	120	120	1020
WIDE	0	525 (16mm)	525	0	120	120	645
		400 (32mm)	400			0	400



As part of our policy of continuous development, specifications are subject to change without prior notice.

**eurolacer**  
www.eurolacer.com

**Europlacer UK**  
30 Factory Road  
Upton Industrial Estate  
Poole, Dorset BH16 5SL  
**UK**  
Tel: +44 (0)1202 266500  
sales@eurolacer.co.uk

**Europlacer France**  
Route de Cholet  
85620 Rocheservière  
**France**  
Tel: +33 (0)2 5131 0303  
contact@eurolacer.fr

**Europlacer Germany**  
Im Böning 24  
63695 Glauburg  
**Germany**  
Tel: +49 (0)6041 969 2300  
info@eurolacer.de

**Europlacer Italy**  
Strada al Monte d'Oro 4  
34147 Trieste  
**Italy**  
Tel: +39 (0)40 0640 180  
infoit@eurolacer.it

**Europlacer North America**  
519 US Highway 301 South  
Tampa, FL 33619  
**USA**  
Tel: +1 813 246 9500  
sales@eurolacer-na.com

**Europlacer China**  
Floor 1, Building 1  
No.80 Huashen Road,  
Shanghai Waigaoqiao  
Free Trade Zone,  
**P.R.China** 200131  
Tel: +86-21-5868 3500  
contact@eurolacer.cn