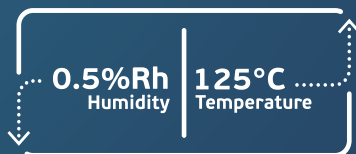


**X-Treme
Series**

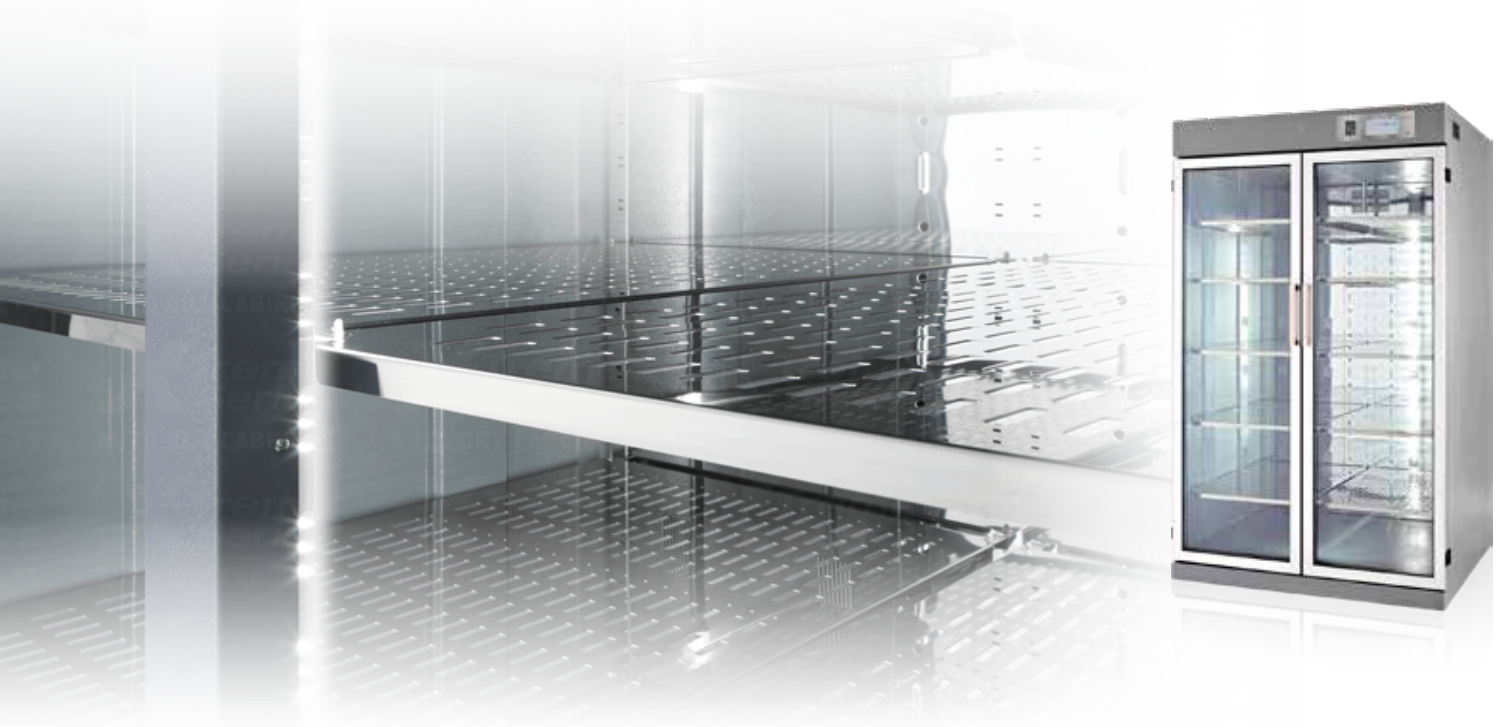
AUTO DRY CABINETS

LONG TERM STORAGE SOLUTIONS



X-Treme
Series
AUTO DRY CABINETS





Long Term Storage (LTS)

An electronic component becomes obsolete when it is no longer available from the original manufacturer to the original specification. The causes of obsolescence are, among other things, non-profitability, innovation cycles, and technological developments, market adjustments to meet customer requirements, environmental: legal requirements and standards or environmental disasters.

It can be prevented with the help of "Component Obsolescence Management", "Die management" and "Long Term Storage of the Components" ("Long-term storage of electronic components and PCBs")

"Long-term storage of electronic components and PCBs" means the storage of components beyond the service life guaranteed by the manufacturer while maintaining their functionality (fit, form and function).

Electronic Components and (Sub)systems should be stored cost-effectively in accordance with DIN CLC/ TS 50466:2006 and IPC/JEDEC J-STD-033A.



Optimal Conditions

The optimal storage environment for Long Term Storage of the Components should be moisture-free, at a maximum ambient temperature of 20°C, with no source of contamination and zero likelihood of environmental control system failure, requiring low maintenance, and cost-efficient.



Comparison of X-Treme Series Long Term Storage Solutions to Others

	Ultra Low Rh	Inert atmosphere elimination risk of oxidation	Removing already accumulated moisture from the component, resetting floor life	Active Monitoring	Minimizing the possibility of latent reliability concerns due to moisture or other contamination	Documented and logged environmental conditions	No requirement of Consumables N ² or MBB
X-Treme Series Hybrid Cabinets	✓	✓	✓	✓	✓	✓	✓
Nitrogen Dry Cabinet	✓	✓	✓	— depends on manufacturer/brand/model	✓	— depends on manufacturer/brand/model	✗ consumable N ₂
Desiccant Dry Cabinet	✓	✗	✓	— depends on manufacturer/brand/model	✓	— depends on manufacturer/brand/model	✓
Moisture Barrier Bag (MBB)	✗	✗	✗	✗	✗	✗	✗ consumable MBB



Advantages of X-Treme Series LTS Solution

- ✓ Dry down to 0.5% RH (Relative Humidity) with high-quality dryer units. Minimizes the possibility of latent reliability concerns due to moisture or other contamination
- ✓ High Temperature and Relative humidity sensor accuracy
- ✓ Maintains a constant and sustainable temperature of 15°C below ambient temperature with high accuracy
- ✓ With the help of inert gas (N₂) eliminates both O₂ and H₂O from the corrosion equation making significant reaction improbable. The positive pressure environment limits outside intrusion. Meantime extensive software and sensitive sensors minimize the N₂ consumption
- ✓ Removes already accumulated moisture from the device package, resetting floor life

- ✓ Remote monitoring of real-time internal humidity and temperature values and sending alarm email notifications thanks to our user-friendly in-house software
- ✓ 2GB datalogger capacity
- ✓ Provides protection from contamination, any kind of material in the air that could react with the surface finishes
- ✓ Secure storage with password and RFID access
- ✓ Homogeneous air distribution with specially designed air ducts and circulation system
- ✓ Detailed monitoring and controlling all cabinet parametes with user friendly touch-screen LCD control panel
- ✓ Efficient use of interior space with customized storage options, shelves, sliding shelves, dividers, drawers

Relocation possibility of cabinets allow the flexibility in business continuity planning	Unlimited shelf life	Secure for moisture penetration	Baking free before SMD Line	Positive pressure environment limiting intrusion from the outside environment	No device handling required	Minimal variable cost, low power electrical source	elimination of possible risks due to packaging failure
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	— depends on manufacturer/brand/model	✓
✓	✓	✓	✓	— depends on manufacturer/brand/model	✓	— depends on manufacturer/brand/model	✓
✗	✗ MBB shelf life of 12 months	✗	✗	✗	✗	✗	✗



Options



Integrated O₂ sensor



Customizable storage solutions/Customizable shelf design



Outside temperature and humidity sensor



RFID access



Automatic door locks



Hepa Filter (Class 1000)



External alarm bar



Indoor light



Stainless Steel Cabinet Body



**X-Treme
Series**

AUTO DRY CABINETS

50%Rh to $\leq 1\%Rh$
under 7 minutes!

50%Rh to $\leq 5\%Rh$
under 4 minutes!

**The best place
for your product**



**Internal
Relative Humidity**
0.5% Rh • 95% Rh



**Internal
Temperature**
2°C-15°C-45°C-60°C-100°C
up to 125°C



**Sensor
Accuracy**
 ± 0.3 Rh Humidity
 $\pm 0.5^\circ\text{C}$ Temperature

The choice of 60 COUNTRIES

SOME OF OUR REFERENCES



X-Treme Series

AUTO DRY CABINETS

LONG TERM STORAGE SOLUTIONS

Manufactured by EMT Electronics

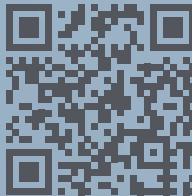
Çamlıca Mahallesi, Anadolu Bulvarı No:16

Regnum Ticaret Merkezi, B Blok No: 5/1

06200 Yenimahalle ANKARA - TURKEY

T: +90 312 472 20 60 **F:** +90 312 472 20 65

info@x-tremeseries.com www.x-tremeseries.com



Compliance with IPC/JEDEC-J-STD-033D standards
Compliance with CE and Rohs