

ALIXDRY

Store and dry your Moisture Sensitive Devices with total reliability

conforms to standard
IPC/JEDEC J-STD-033



Protect Your Components and Printed Circuits Boards from Moisture Absorption and Oxidation

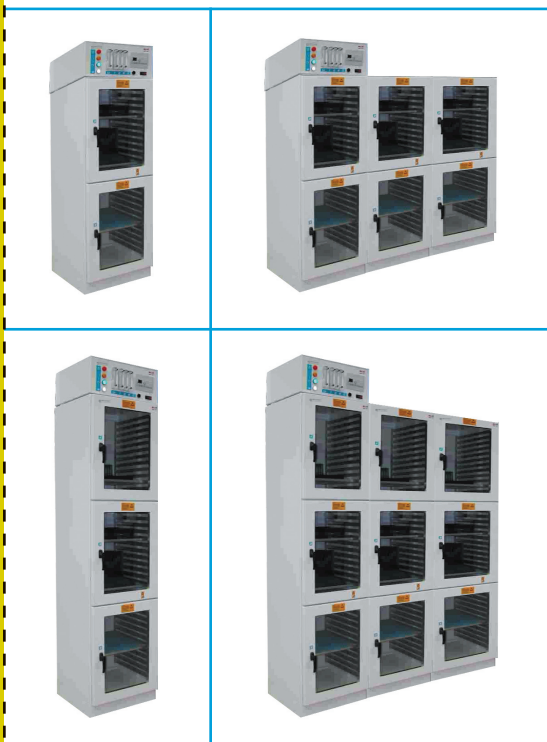
ALIXDRY: Smart Dry Storage Cabinets system for storing moisture sensitive devices (MSDSs), printed circuit boards (PCBs) and electronic subassemblies in dry and inert (Nitrogen) atmosphere.

ALIXDRY can be used :

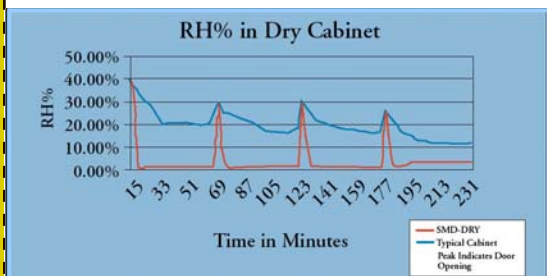
- to dry, store and protect components sensitive to moisture and oxidation
- to eliminate baking
- for short-term storage (in-process) and long-term storage (spare parts/components)
- to comply with **IPC/JEDEC J-STD-033** standard on MSLs, with total reliability
- to reach and maintain RH levels less than 1% in 5 minutes and reduce nitrogen consumption (patented injection system)

ALIXDRY is ESD compatible and certified.





Configurations : cabinets with 2 or 3 distinct compartments
Layout : single unit or in set of 3 cabinets



Cabinet dimensions

3-compartments cabinet	H2050 x P650 x L550 (H2300 with N ₂ injection kit)
2-compartments cabinet	H1400 x P650 x L550 (H1600 with kit injection N ₂)
N ₂ injection control system	H250 x P650 x L550
Storage capacity of one compartment	160 litres (H0,595 x P0,64 x L0,42)

MSDs protection

Component miniaturization, ever more complex PCB assemblies and major changes brought about by the European Directive 2002/95/EC for RoHS which increases the sensitivity of components and printed circuit boards to moisture, oxygen and various contaminants such as hydrides or sulphides.

Therefore, Electronics Manufacturing Assemblers are adopting moisture management solutions in order to comply with the IPC/JEDEC J-STD-033 standard.

The ALIXDRY solution

- Most advanced dry storage system based on proprietary design and patented technology.
- AIR LIQUIDE's commitment to reach and maintain a guaranteed dry atmosphere below 1% RH after reconditioning.
- The cabinets have either 2 or 3 independent compartments connected to a nitrogen injection control system. This ensures rapid reconditioning of the atmosphere after the door has been opened and maintaining low relative humidity atmosphere, while reducing nitrogen consumption.

Performances and benefits

- Protection of components against moisture absorption (complies with IPC/JEDEC J-STD-033 standard)
- Fast dry down allows 1% RH in less than 5 minutes
- Dries components and printed circuit boards
- Preserves solderability
- Includes safety devices (overpressure and asphyxiation)
- Low nitrogen consumption (patented gas injection system)
- Guaranteed atmosphere quality
- Makes it possible to eliminate baking
- ESD-certified

Possible options

- Continuous relative humidity measurement
- Atmosphere traceability
- RH% regulation

Utilities requirements

- Electricity power supply: 220 VAC; 50 Hz; 1 A
- Nitrogen supply: Pressure 4 bar min, and flow rates: 0.5 to 3.5 Nm³/h continuous, 5 to 15 Nm³/h during purges
- The nitrogen exhaust must be connected to an outside extraction source

