



Dr. Storage[®]

Humidity Solutions Provider

Company Profile

Ace Dragon Corporation

Presents

The "Dr.Storage Series" Synonymous with humidity management excellence

Ace Dragon Corporation operates worldwide with leading innovations, world class brands and advanced technologies in the Humidity Management industry .

Established in 1991, Ace Dragon Corporation's HQ (i.e. R&D and manufacturing center) is located in the Hsinchu Science Park, also known as the Silicon Valley of Taiwan, thus giving us access to the best engineering capabilities.

Our world-class brand, Dr. Storage, provides the best solution in Humidity Management. All of our products comply with J-STD-033D standard. Providing best humidity management solution, 80% of electronic factories throughout Asia to strengthen their competitive edges successfully. In addition, we have helped thousands of electronic factories globally to enhance their product qualities, thereby enabling our customers to secure recurring orders worth multibillion of US dollars.

Users:

APPLE, ASUS, ASE Global, ACER, AUO, Advanced, AIDC Semiconductor, Alcatel, Bosch, BenQ, Celestica, CAMPAL, CHIMEI, Coretronic, Continental, D-link, ERICSSON, Everlight , Flextronics, FOXCONN, GIGABYTE, GEM, Harris Cop., IBM, Invevtec, Johns Hopkins University, NASA, National, National Science Council, Omron, Optimax, Philips, Panasonic, Qualcomm, Quanta Computer, Quanta Storage, QSMC, Siemens, Samsung, Sony, Sintek ,SMIC, SUNPLUS, TSMC, TATA POWER, TPO, Tsinghua University, UTStarcom, UMC, UMEC, Wistron, Wellypower, 3M.



Taiwan HQ



Shanghai office



Kuanshan factory



Low Humidity Dry Cabinet 0.1~5%RH

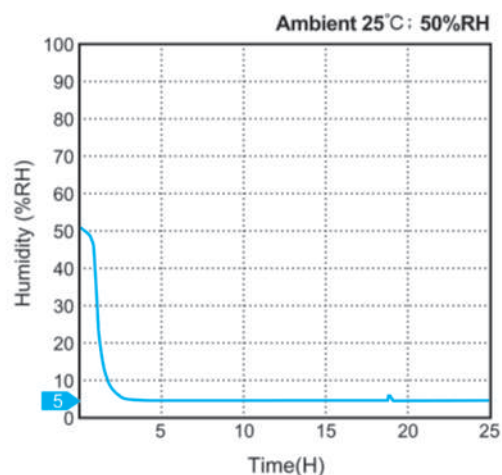


iX2B-1200-6



X2B-600

Outstanding Ultra-Low-Humidity Performance

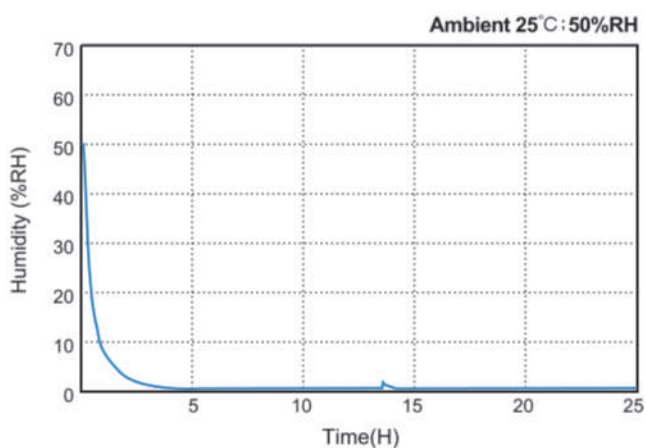


Ultra Low Dry Cabinet <1%RH



F1-1200-6

Outstanding Ultra-Low-Humidity Performance



Model	iX2B-1200-6	X2B-1200-6	X2B-600	X2B-400	X2B-200	F1-1200-6	F1-600
External Size W*D*H(mm)	1200*672*1820	1200*672*1820	600*672*1820	600*672*1274	600*672*636	1200*672*1820	600*672*1820
Internal Size W*D*H(mm)	1164*612*1600	1164*612*1600	564*630*1600	564*630*1055	564*630*508	1164*612*1600	564*630*1600
Capacity(L)	1250	1250	624	413	202	1250	624
Adjustable Shelves	5pcs	5pcs	5pcs	3pcs	2pcs	5pcs	5pcs
Internal Light	○	×	×	×	×	×	×
Build-in AIoT	○	×	×	×	×	×	×

Dry Cabinet 1~50%RH



A1B-575

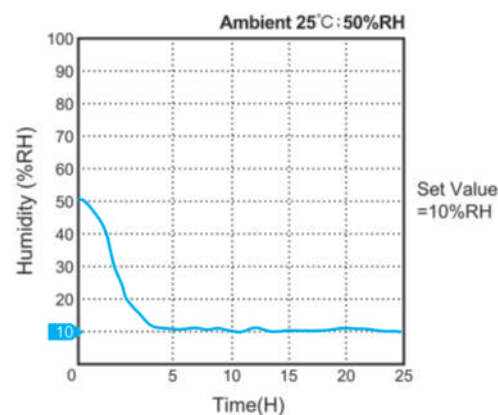


A1B-315



A1B-157

Outstanding Humidity Control



Model	A1B-1200-6	A1B-600	A1B-400	A1B-200	A1B-575	A1B-315	A1B-157
External Size W*D*H(mm)	1200*672*1820	600*672*1820	600*672*1274	600*672*636	905*800*1045	905*452*1045	450*452*1045
Internal Size W*D*H(mm)	1164*612*1600	564*630*1600	564*630*1055	564*630*508	869*758*852	869*410*852	414*410*852
Capacity(L)	1250	624	413	202	598	328	164
Adjustable Shelves	5pcs	5pcs	3pcs	2pcs	3pcs	3pcs	3pcs

Dry Cabinet ≤5%RH



XC-1200-6

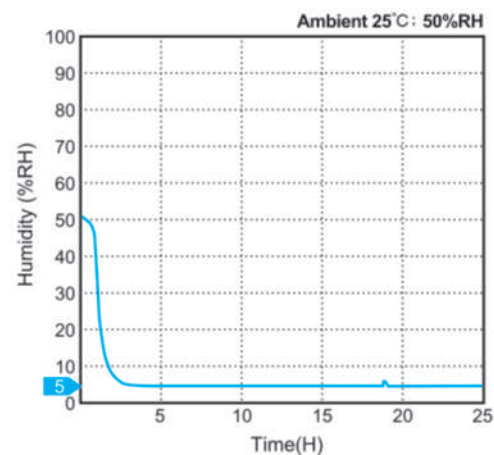


XC-600

Hygrometer Data Recorder



Outstanding Ultra-Low-Humidity Performance



Model	XC-1200-6	XC-600	XC-400	XC-200
External Size W*D*H(mm)	1200*672*1820	600*672*1820	600*672*1274	600*672*636
Internal Size W*D*H(mm)	1164*612*1600	564*630*1600	564*630*1055	564*630*508
Capacity(L)	1250	624	413	202
Adjustable Shelves	5pcs	5pcs	3pcs	2pcs

Smart Nitrogen Cabinet



QS-1200-6

(made of stainless steel)

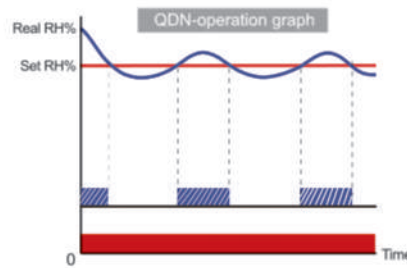


QB-600

Smart N2 cabinet is designed to control dry air filling into the cabinet, so the desired relative humidity in the cabinet can be reached. The dry air can be nitrogen, CO₂ or inert gas. Nitrogen is the most frequently used dry air for an anoxigen cabinet. Traditional Nitrogen cabinet allows N₂ to fill in 24/7.

Use Dr. Storage smart nitrogen saving cabinet, 30~70% of N₂ consumption can be saved.

Save up to 70% of N₂ cost



N₂ Consumption of N₂ saving cabinet.

N₂ saving system will stop the inflow of nitrogen air when preferred humidity inside the cabinet is reached. Huge amount of nitrogen cost can be saved right away.

N₂ Consumption of conventional cabinet.

Traditional N₂ cabinet will have nitrogen air pumping into the cabinet all the time no matter what the humidity inside the cabinet is.

Model	QS-1200-6	QS-600	QS-400	QS-200
External Size W*D*H(mm)	1200*672*1820	600*672*1820	600*672*1274	600*672*636
Internal Size W*D*H(mm)	1164*612*1600	564*630*1600	564*630*1055	564*630*508
Capacity(L)	1250	624	413	202
Adjustable Shelves	5pcs	5pcs	3pcs	2pcs

Model	QB-1200-6	QB-600	QB-400	QB-200
External Size W*D*H(mm)	1200*672*1820	600*672*1820	600*672*1274	600*672*636
Internal Size W*D*H(mm)	1164*612*1600	564*630*1600	564*630*1055	564*630*508
Capacity(L)	1250	624	413	202
Adjustable Shelves	5pcs	5pcs	3pcs	2pcs

Smart Nitrogen Controller



NC-5R

30~70% of dry air / N₂ can be saved!

Setting Range : 1~99%RH

Precision : ±1.0°C ; ±2.0%RH

Dimensions : W250*D210*H90mm

Upgrade your traditional Nitrogen cabinet to Smart Nitrogen Cabinet!

Nitrogen controller NC-5R can be installed on your traditional Nitrogen Cabinet. It is used to designed to control dry air filling into the cabinet, so the desired relative humidity in the cabinet can be reached. The dry air can be nitrogen, CO₂ or inert gas. Traditional Nitrogen cabinet allows N₂ to fill in 24/7. Use Dr. Storage nitrogen controller NC-5R, 30~70% of dry air/N₂ can be saved.

In order to protect components/devices/SMD packages inside the cabinet, the controller NC-5R will continuously fill Nitrogen in even during power outage.

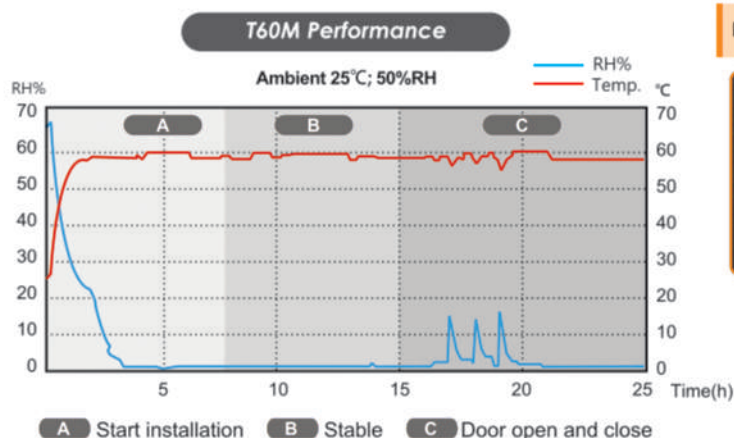
Baking Dry Cabinet

60°C, <1%RH

T60M can reach <1%RH & 60°C automatically just by plugging the power cable in.

Temperature control: T60M can be adjusted from room temperature to 60°C. The user can also turn the heater off and use it as a <5%RH dry cabinet.

Applications in resetting the floor life: Moisture sensitivity SMD packages which are exposed to the air and exceed the floor life should be stored in the T60M series for resetting the floor life. (see J-STD-033D table 4-1, 4-3)



Memo Card/Cover Sheet



T60M-1200-6

Capacity : 833L
Grid Shelves : 5 pcs
Outside Dim. : W1200xD770xH2005mm
(Exclude door handles)
Internal Dim. : W1140xD500xH1460mm
Power Consumption : Ave.800Wh ; Max. 2200W

40°C, <5%RH



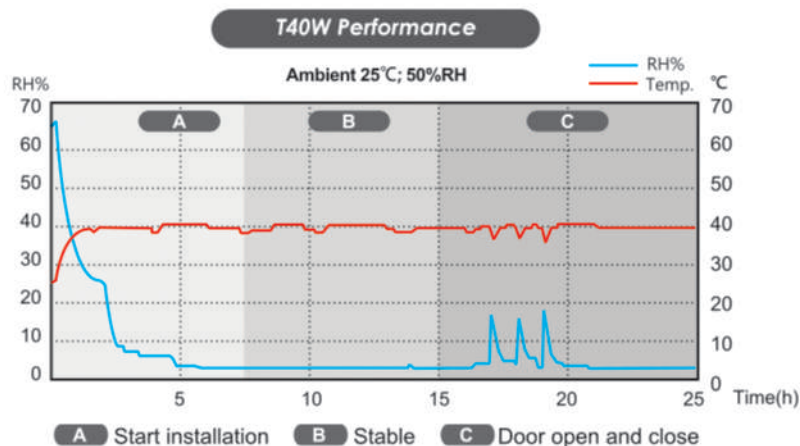
T40W-600

Capacity : 395L
Grid Shelves : 5 pcs
Outside Dim. : W600xD770xH1805mm
(Exclude door handles)
Internal Dim. : W540xD500xH1460mm
Power Consumption : Ave. 300Wh ; Max. 600W

Easy operation: T40W can reach <5%RH and 40°C automatically just by plugging the power cable in.

Reset floor life: SMD packages which are exposed to the air and exceed the floor life should be stored in the T40W series for resetting the floor life. (see J-STD-033D table 4-1, 4-3) For example: If MSD parts of MSD Level 4, 5 and 5a are exposed for less than eight hours, they can be stored in a dry cabinet for resetting the floor life. However, if exposure time is longer than eight hours, the SMD packages should be stored at 40°C in a T40W series to reset the floor life.

Fast recovery time: The baking cabinet combines drying and heating functions. Through mild temp. baking cabinet allows moisture of the SMD package to be fully evaporated, and the moisture can be absorbed by dryers to reverse recovery time. Compare to high temp. oven, mild temp. baking cabinet can greatly avoid thermal oxidation.



Hygrometer Alarm Recorder



HT-5D

Alarm Hygrometer is installed at precisely controlled environment, such as storage room of precious collections, production line of high tech electronic components, optical and medical industries ...etc. It can not only display the temperature and relative humidity, but also help engineers to check and repair the facilities immediately by flash buzzer alarm that is activated as soon as the temperature or relative humidity exceeds desired RH/Temp. With this function, millions of dollars could be saved in time. To save monitoring manpower at a huge plant, sets of HT series can be connected to a PC through intranet network. Data of temperature and relative humidity can be recorded and the fluctuation shown in the graph.

Computer server room

Pharmaceutical factory

Warehouse



Hygrometer Data Recorder

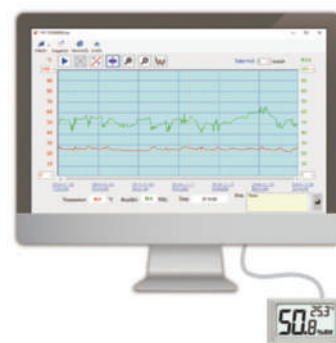


CP3U3

Humidity and temperature data can be downloaded to PC through the USB connector and software CP3U3 Reader.

Technical data

Measuring range	0.1~99.9%RH ; -20~65.9°C (-4~150°F)
Accuracy	±2%RH (@25°C · 1-80%RH) ; ±0.5°C
Dimensions	W68xD23xH45 mm
Memory	40,000 (memory full stop)



Glove Box



GB-250X



Model	GB-250X	GB-250A	GB-250Q	GB-250
Humidity Range	<5%RH	5~50%RH	1~50%RH	X
Control Mode	Auto	Adjustable	Adjustable (N2 is required)	Non (Empty box)
Capacity	250L			
Outside Dimension	W1000xD626xH630mm			
Internal Dimension	W880xD575xH605mm			
Box Frame	Acrylic			

Drawer Dryer Cabinet

Improve management efficiency :

Different kinds of slide drawers can store various components such as Reel / PCB / IC / BGA / SMD components, etc.

Well organized items can be retrieved quickly to avoid leaving the door open long time.

The cabinet is made of carbon steel with ESD paint. Customer can choose 3 colors storage bins on windows of the cabinet for color management as an option.



DX2B-1200-6

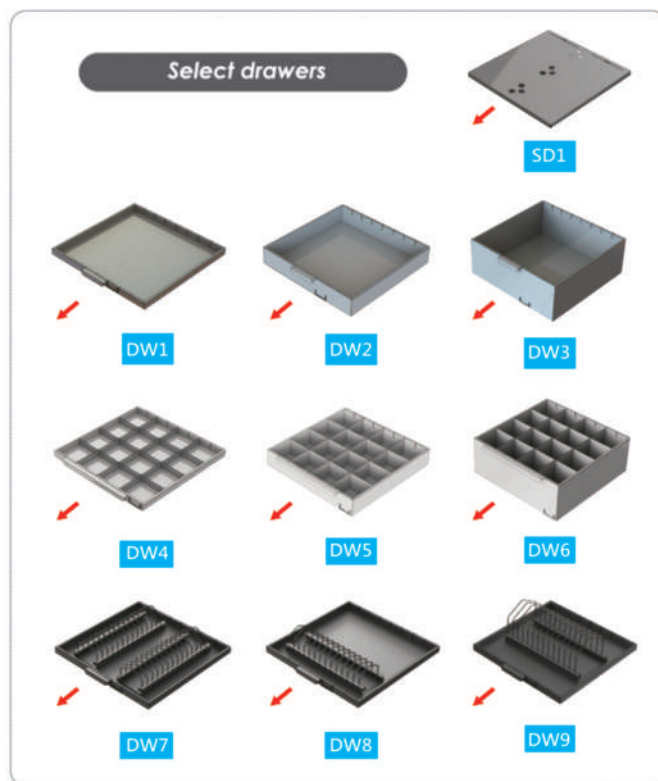
Humidity Range : 0.1~5%RH

Capacity : 1250L

Outside Dim. : W1200xD672xH1820mm

Internal Dim. : W1198xD644xH1618mm

Power Consumption : Ave.107Wh ; Max.345W



IoT solution for Humidity and Temperature



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