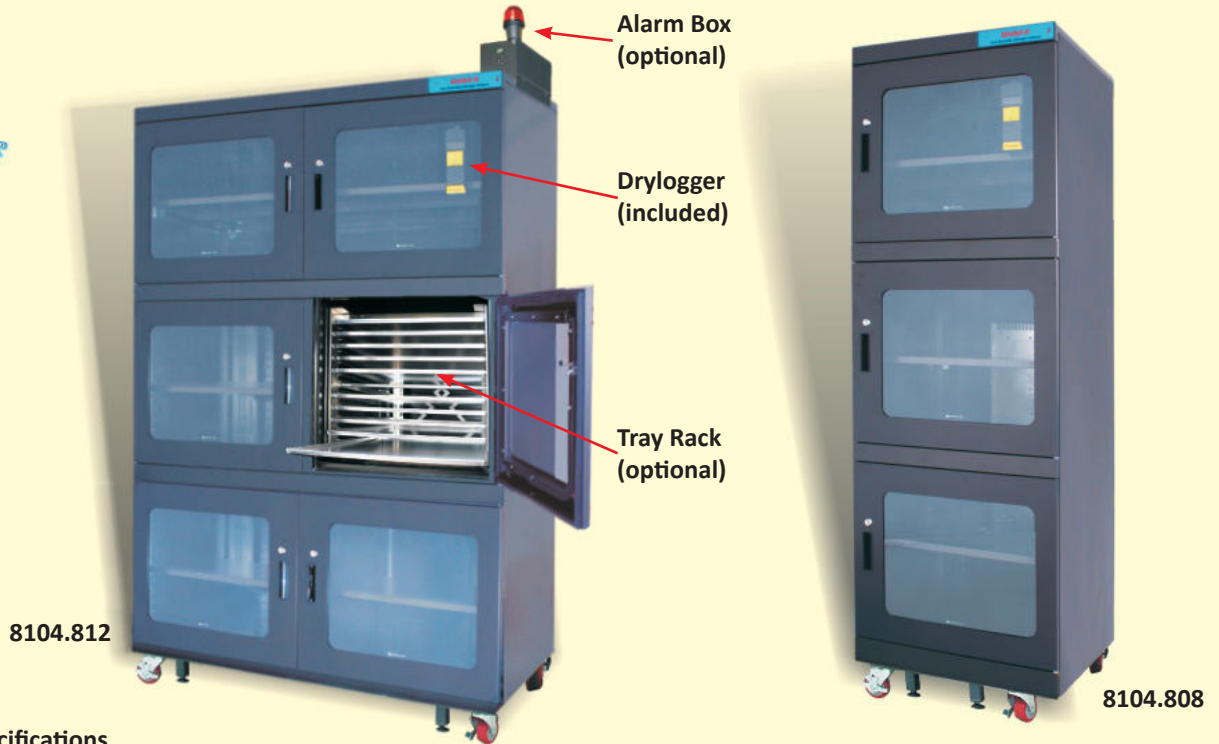


## Ghibli-II Dry Cabinet

Moisture Sensitive Devices (MSDs), must be managed correctly because "a single mistake" on a tray or reel of MSD causes "negative impact on the entire production batch".

Electronic components (like QFP, BGA or SOIC for example), LEDs and Printed Circuit Boards, when extracted from their original protective package, absorb humidity from the environment and during the soldering process the trapped moisture can vaporize and exert internal package stress.

GHIBLI-II dry cabinets provides a "safe place" to temporary stock the MSDs removed from their original Dry Pack before soldering process. In fact the J-STD-033 tells that under 5% RH the Floor Life is congealed.



### Technical specifications

Humidity range: <5% RH guaranteed , typical 2% RH

Colour: Anthracite

Power supply: 230Vac

Structure: 1mm thick carbon steel with antistatic paint

Door: magnetic handles , magnetic sealers and antistatic glass

Wheel: 4 antistatic 3" wheels, two of them with brakes

Grounding wire: 940mm long

ESD paint:  $10^3 - 10^9 \Omega$



### DryLogger

(included in every cabinet)

Humidity: 1 to 95% RH resolution: 0.1%RH

Temperature: -20°C to +60°C, resolution: 0.1°C

ALARM for Max.humidity and Max temperature

(see page 77)

## Advantages about GHIBLI-II

### Easy use:

It's plug and play, just connect it to the main supply without any settings and it will be stable at less than 5%RH (5%RH is guaranteed but the cabinets easily reach 2%).

The dehumidifier units are always active and not controlled by any sensor. This avoid dangerous problems due to malfunction or drift of hygrometers.

### Easy calibration:

Inside every cabinet there is a portable Hygrometer (DryLogger **9265.302**) visible through the glass of the upper door. You can return it for calibration anytime without problems: the cabinet still works to the best.

The portable instrument DryLogger can measure RH & Temperature values in several points inside the cabinet, and can record H/T and transfer the data to PC for graphing and analyzing. Made for very low humidity measurement can be used also for applications outside the cabinets.

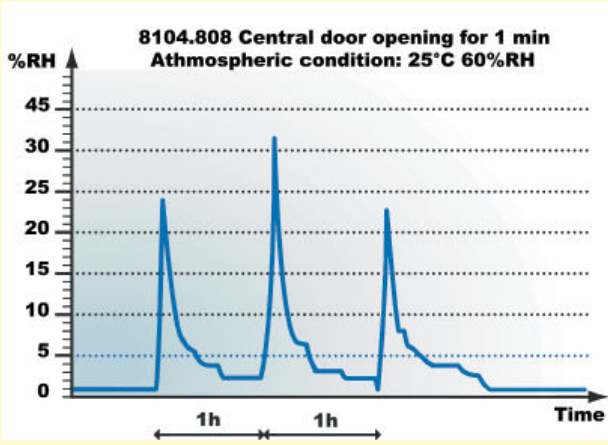
### Modular design:

The dehumidifier modules are easy extractable with only a screwdriver. This allow easy reparation and grant the long life of the cabinet, over 20 years, as long as the metal structure last. This is our green policy.

Smart magnetic handles with key lock at every door.

The front of the cabinet is flat.

2 years warranty



### Data analysis

With the portable instrument DryLogger and the software LogManager supplied with every cabinet you can calculate the time intervals and percentage that exceed the 10%RH or 5%RH which leads to the estimation of the MSD floor life ( "Floor Life" is the allowable time period after removal from a moisture barrier bag, dry storage or dry bake and before the solder process reflow). Another typical data analysis is the graph of the door opening.

### 40°C Baking

Some cabinets version can do 40°C low baking process of SMD components.

At this temperature the reels are not damaged and can be afterwards inserted into the feeders of the pick and place without problems.

<b>Code</b>	<b>8104.800</b>	<b>8104.802</b>	<b>8104.804</b>	<b>8104.808</b>	<b>8104.812</b>	<b>8104.830</b>	<b>8104.832</b>
<b>Model</b>	Ghibli II/200L	Ghibli II/328L	Ghibli II/400L	Ghibli II/600L	Ghibli II/1200L	Ghibli II/600L baking 40°C	Ghibli II/1200L baking 40°C
<b>Capacity</b>	200L	328L	400L	650L	1280L	600L	1180L
<b>Ext. Dimensions (mm)</b>	600x672x610	905x452x1045	600x672x1255	600x672x1805	1200x672x1805	600x672x1805	1200x672x1805
<b>Shelves</b>	2	3	3	5	5	5	5
<b>Shelf Size (mm)</b>	555x530x20	860x310x20	555x530x20	555x530x20	1155x530x20	555x530x20	1155x530x20
<b>Average power</b>	28W	56W	56W	56W	56W	56W without baking 456W with baking	56W without baking 856W with baking
<b>Maximum power</b>	210W	420W	420W	420W	420W	420W without baking 1220W with baking	420W without baking 2020W with baking
<b>Weight</b>	55kg	64kg	64kg	81kg	134kg	91kg	144kg

**8104.840** Additional shelf 555x530x20mm , Ghibli-II 200L, 400L, 600L

**8104.841** Additional shelf 1155x530x20mm , Ghibli-II 1200L

## Tray rack

Professional tray rack made of stainless steel that can be placed on the trays of the Ghibli-II dry cabinets.

**8104.865** GHIBLI-II - RACK 10 trays store

**8104.583** Aluminium tray 530 x 530 x 12mm



## ALARM BOX

With this option it's possible to set an alarm that become active when, after a certain period of time, humidity or temperature are above a predetermined maximum threshold. The Alarm Box has a warning light and a buzzer that can be silenced from a switch on the panel.

**8104.856** Alarm Box for Ghibli-II cabinets

