

Technical data sheet

HCC-100-1 Heating cooling chamber

- The plate can reach temperatures in range of –90 to +150 °C
- The unit can be programmed for up to five different recipes.
 Each recipe contains five parameters:
 Ramp Time, Target Temperature, Dwell time, Check on-off and Power on-off
- The unit is equipped with plastic chamber to keep the plate under dry condition. This achieved by constant dry N₂ flow to the chamber
- The unit is controlled by local touch screen operation
- The plate is movable, and can be shift up and down



HCC-100-1 heating cooling chamber has been designed for burn-in testing. The unit can be operated and programmed from the control panel, located on the front side of electric cabinet.

The plate can reach temperatures in range of -90 to +150 °C.

Target temperature of the module is defined by the user and controlled by electrical heating element and liquid nitrogen, according to user set-point





Options

Oxygen Analyzer (by customer)

 General dimensions could be modify according to customer requirements

 Working area could be modify according to customer requirements

Standards

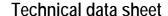
MABAT works in accordance with ISO. ISO 14001 and ISO 9001 standards. Member of SEMI.

All products are design and manufacture according to SEMI guidelines.



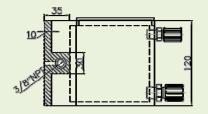








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MABAT can offer a turn-key solution if required and have their own experienced team or approved local contractors to ensure project installation and acceptance deadlines are achieved.

MABAT have a range of products to suit most applications and can also provide custom built systems for non-standard requirements. Site visits can be arranged to ensure the end user's exact needs are understood and accommodated.

Please contact our offices to obtain advice and quotations.

For applications outside any system's specification or capabilities please refer to our local representative or the MABAT Headquarters at Kiryat Gat.

MABAT have more than 25 years experience supplying systems to the Semiconductor and Solar Cell manufacturing industries.

Contact details

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HCC-100-1 Heating cooling chamber

Dimensions

	Height	Width	Depth
Plate	105-155 mm	110 mm	120 mm
Chamber	300 mm	250 mm	250 mm
Control panel	130 mm	300 mm	250 mm

Utilities Needed

 $\begin{array}{lll} \mbox{Liquid N$_2$ Pressure} & 100 \mbox{ psi Max}. \\ \mbox{Gas N$_2$ Flow} & 50 \mbox{ lpm Max}. \\ \mbox{Gas N$_2$ Pressure} & 60 \mbox{ psi} \end{array}$

Electrical

Supply 220 VAC 16A, 50 Hz

Construction Materials

Work Surface Aluminium

Gas Chamber Perspex