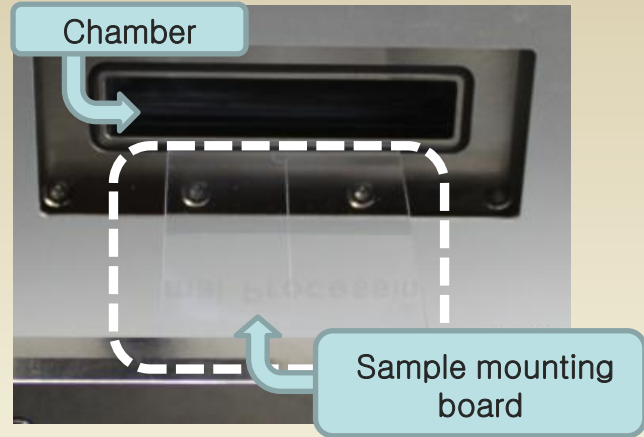


RTP (Rapid Thermal Processor)

Model : RTP-1300

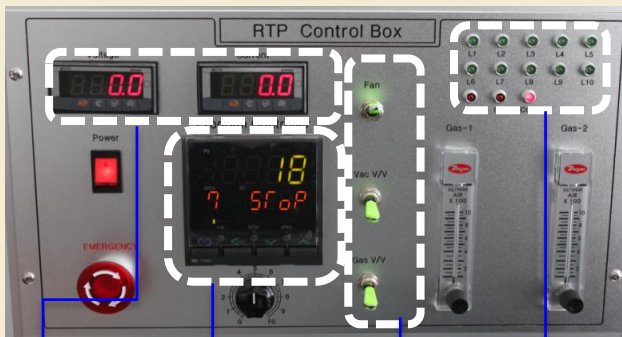


< RTP image view >



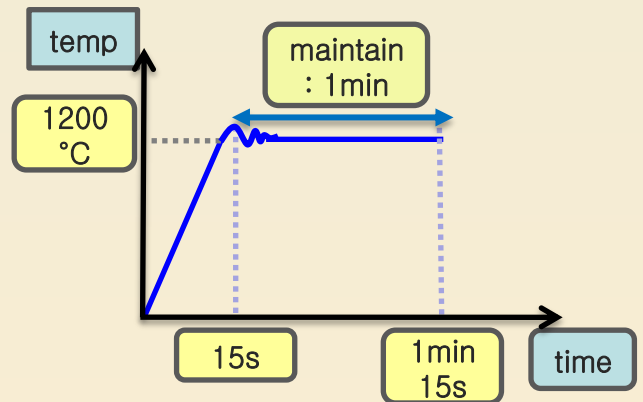
< Sample mounting board and chamber >

< Front panel and description >



- 1) Current, voltage digital displayer
- 2) Temperature controller
- 3) Cooling fan, gas valve, vacuum valve
- 4) Hallogen on/off indicating lamp

< time vs temp variation graph >



- Hallogen Lamp type RTP
- Reasonable price and convenient to use
- Sample size : Max 4 inch
- Compact desk top design
- Powerful performance
- Max 1200 °C / 15 sec
- Rising speed: 80°C/sec

Measurement purpose

- Annealing of ceramic oxide thin films.
- Ohmic contact formation by .i.e Ag.Au electrical conductivity material.
- Oxidize thin film on the sample.
- Heat treatment after ion implantation and activating ion implantation.

Temperature

- 1) Temp. : Max 1200 °C
- 2) Raising temp speed : 50~80 °C/sec.
- 3) Cooling Rates: 100 °C/sec oxygen atmosphere , in the range of 1200dc~ 900dc.
- 4) temperature accuracy: ± 1 °C
- 5) Steady-State Temperature Stability: ± 1 °C
- 6) Temperature uniformity: $\pm 0.5\%$ at 1000 °C across the 4" diameter wafer.
- 7) Temp reproducibility : $\pm 1\%$ at 1000°C
- 8) Temp calibration : Exchange thermocouple and fill "temp correction factor" on temperature controller.
(one time a every two year)

Size , weight and electrical facility

- 1) Measurable sample size: 4 inch wafer
- 2) weight: Apprx 57kg
- 3) size: Apprx 50 x 70 x 58cm
- 4) Electricity: 220V, single phase
- 5) Power supply: Max 80A, common status 40~60A.
- 6) Heating lamp: hallogen lamp.12 Nos. 1.5kw each.
- 7) Cooling system by Water
- 8) Gas flow port for Gas purge(N2/Ar/O2 and etc) in and out.
- 9) Vacuum status : Max 3.8×10^{-2} torr
- 10) K type thermocouple.
- 11) susceptor: transparent quartz.

* MFC as an option.

* Vacuum facility as an option.

Contact details

Ecopia corporation

7th floor Gyeongdo bldg, Hogue-dong, dongan-gu, Anyang-city
Gyeonggi-do, South Korea. 431-841
Tel) +82-31-427-8965 / Fax) +82-31-427- 8964
website: www.ecopia21.co.kr / E-mail : andy lee@ecopia21.co.kr
Contact person: Andy Lee, International sales manager.
MOB) +82-10-3440-4413

For sales and support to locations within
North America, South America, and Oceania,
contact:

Bridge Technology
PO Box 9275
Chandler Heights, AZ 85127
TELE: 480-988-2256
FAX: 480-452-0172
Cell: 480-242-6703
Email: sales@bridgetec.com
<http://www.bridgetec.com>