

ADVANCE RIKO

Mini Lamp Annealer

Mini Lamp Annealer MILA-5000series

MILA-5050



Heat treatment up to 50 mm square size

◆ General Description

This system is a Mini Lamp Annealer that enables the heat treatment up to 50mm square size samples. MILA-5000 series, the current models which are available for up to 20mm square size samples, have been valued by many customers since their release. But in response to increased number of demands from customers that they want to heat bigger samples, this new system, available for heat treatment of up to 50mm square size samples has been developed with still having a compact body in which heating furnace, chamber and temperature controller are all integrated.

◆ Features

1. Heat treatment up to the maximum 50 mm square size samples
2. Maximum operating temperature 1200°C
3. Desktop type in which heating furnace, chamber and temperature controller are all integrated
4. Rapid heating/cooling and clean heating with cold wall structures
5. Simple input of temperature recipe into computer connected with USB
6. Display temperature data on the PC monitor during heating (The data can be saved in the text format.)

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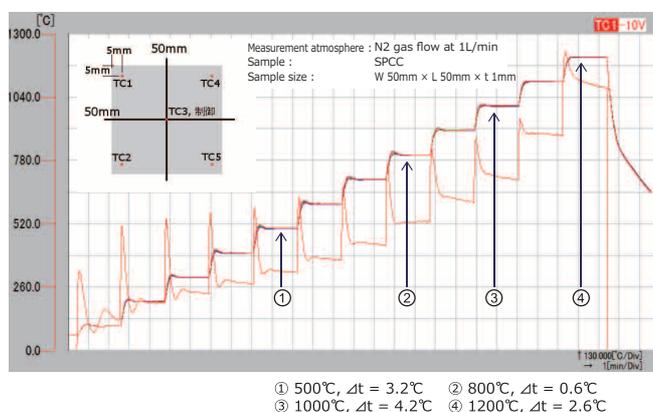
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MILA-5050

◆ Applications

1. Rapid thermal annealing of Si wafer and compound wafer
2. Rapid thermal annealing of electronics material like substrates of optical CVD
3. Heat treatment of glass substrates, ceramics and compound materials etc
4. Thermal cycle test
5. Thermal annealing of metal materials
6. Heat resistance evaluation of coating films
7. Heating and drying of organic materials and resins

◆ Measurement data



◆ Utility

1. Power source : AC200V, 5kW
2. Cooling water : City water, flow rate 6L/min
water pressure 0.3MPa or more
3. System size : 450(W) x 492(D) x 219(H) mm
without protrusion
4. Weight : approx. 24kg

◆ Specifications

1. Temperature range : Room temperature to 1200°C
2. Sample size : 50 square or $\phi 50 \times T5$ (mm)
3. Atmosphere : Vacuum, Inert gas
4. Heating rate : 50°C/s
5. Temperature distribution : 1% or less
(at 1000°C)

◆ Sample assembly (when measuring 2-inch sample)



SiC coat carbon susceptor and quartz sample holder are optional parts (above).

◆ Option

- SiC coat carbon susceptor
- Vacuum exhaust system (RP, DRY, TMP etc.)
- Gas flow unit (rotameter)
- Flow switch for cooling water
- Check valve (relief valve)
- Power cable, Cooling water hose
- Cooling water circulator
- Handy spot welder (HS-9000)
- Handy arc welder (HA-1H)

※Specification and appearance are subject to change without notice for performance improvement.

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