

SEL-TEK LIMITED

SPECIALIST SUPPLIERS TO THE EUROPEAN SEMICONDUCTOR INDUSTRY



RTP – Rapid Thermal Processing System

Model Number RTP-1200 Features;

- Heat treatment in high vacuum
- Heat treatment in ambient atmosphere
- High accuracy temperature control
- No need for an additional cooling system
- Compact desktop design
- Competitive price



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Technical Specification;

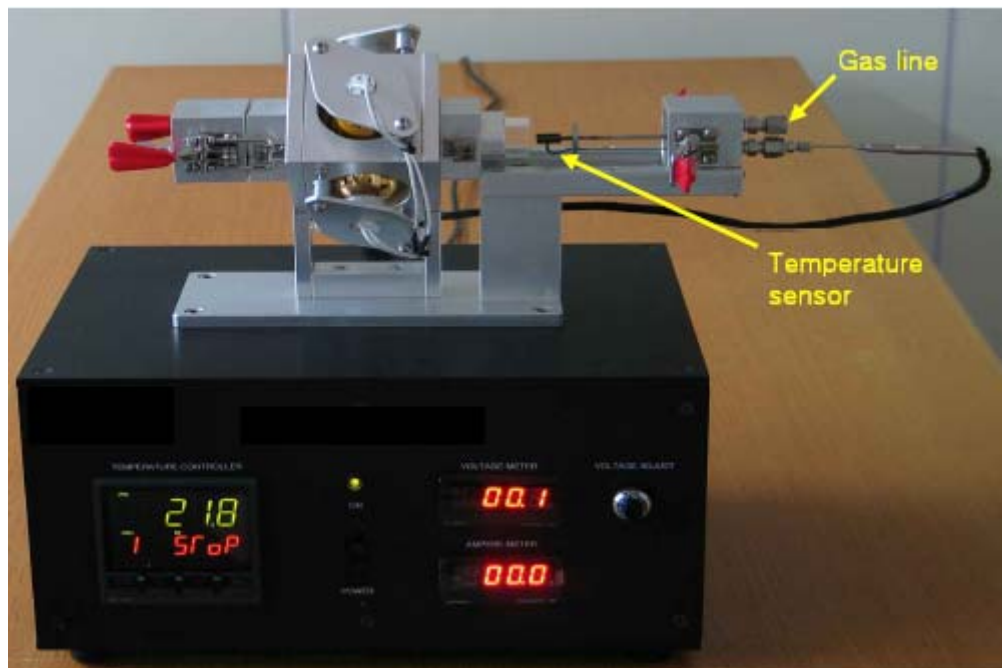
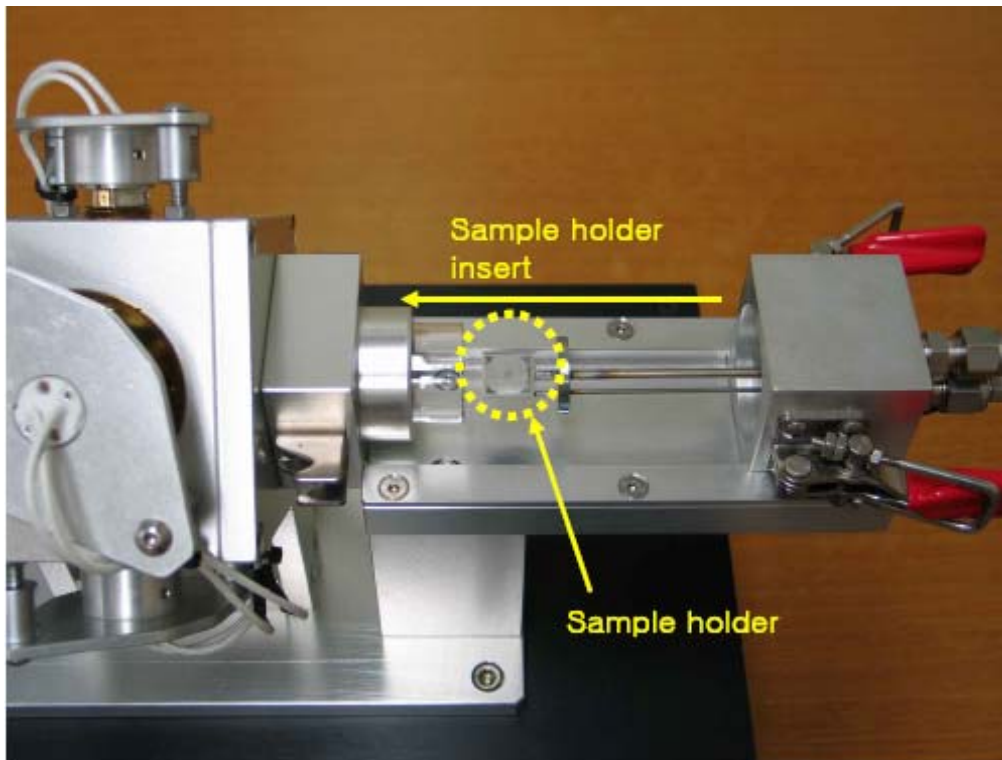
	Specification	Unit	Remark
Maximum sample size	15 x 15 15 x 20	mm	Optional
Maximum rising speed	100	°C / sec	
Maximum cooling speed	50	sec	1000°C - > 400°C
Cooling speed		sec	400°C - > RT
Maximum Temp.	1,200	°C	
Temp. Accuracy	± 0.3	°C	@ 1000°C
Lamp power	600	W	
Dimensions	40 x 30 x 45	Cm	
Weight	30	Kg	
Maximum power	800	W	
Maximum amperage	80	A	
Frequency	50/60	HZ	
Voltage rate	110V/220V single phase	V	
Lamp power	600	W	Four Halogen lamps
Lamp current rate	40	A	Halogen Lamp

The RTP-1200 model is a relatively low cost, easy-to-use, yet powerful rapid thermal processing system which can quickly increase materials to a very high temperature using four tungsten-halogen lamps. Researchers in industry, national laboratories, and university settings can obtain accurate test data quickly while enjoying simple installation and operation. The RTP-1200 provides convenience and power at a very reasonable price.

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RTP Mechanism View



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Applications;

1. Thin film deposition
2. Oxidize thin film on the sample
3. Construction analysis of thin film at high temperature
4. Paste material analysis
5. Ohmic contact formation (i.e. Ag / Au electrical conductivity material)
6. Heat treatment after ION implantation and activating ION implantation
7. Melting point Analysis of alloy

Characteristics;

1. Easy to do thermal treatment in vacuum status, purge gas flow and at ambient temperature
2. No need for an additional cooling system by attaching IR reflective panel and minimising radiant heat
3. Very convenient to load and unload tested material by simple manipulation
4. Compact desktop design: Convenient to install and move
5. Accurate temperature control via a temperature sensor that was attached during sample loading stage
6. Possible to use the unit as a furnace with a capability of + 3°C accuracy

For Further information contact us on;

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