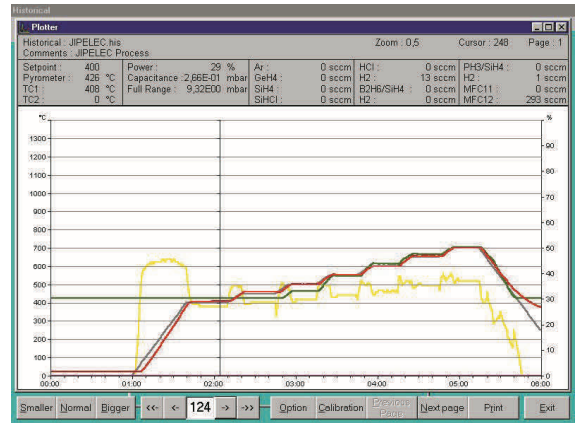


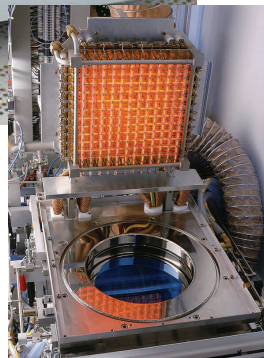
JETSTAR Series RTP - Rapid Thermal Reactors

RTCVD - RTA - RTO - RTN

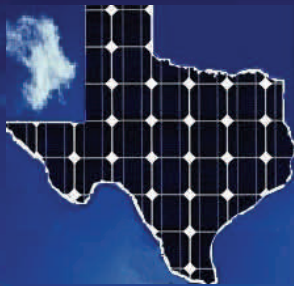
The Jipelec **JETSTAR** has been developed to meet the requirements of organizations that perform large scale R&D, or are transferring a process to production. This RTP tool is designed with a manual loading system for your process development or pilot production. It can be upgraded to an automatic cassette-to-cassette system, allowing your process to move to production in the shortest time.



Multi-zone temperature control and measurements provides accurate and repeatable thermal behavior from low to high temperatures resulting in enhanced uniformity. The Extended temperature range, vacuum performance, and gas mixing capability, make it suitable for a large range of RTP and RTCVD processes.



- ⇒ **Stand Alone - Single Chamber Reactor**
- ⇒ **Wafer Size: 100 to 300mm**
- ⇒ **Cassette-to-Cassette Capability**
- ⇒ **Ideal for Large Scale R&D Labs and Industrial Applications**



Powered by the Sun

Empowered by the Knowledge

Applications

RTA - Rapid Thermal Annealing, Implant Monitoring
RTO - Rapid Thermal Oxidation
RTN - Rapid Thermal Nitridation
RTD - Rapid Thermal Diffusion from Spin -on Dopants
Crystallization
Contact Alloy
RTCVD Processes
Densification
Firing

Performance

Temperature Range	Ambient - 1400°C
Ramp Rate	1°C/sec - 200°C/sec
Pyrometer Control	150°C - 1400°C

System Size

Length x Width x Height	39 x 41 x 91 in (1000 x 1050 x 2300 mm)
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Features

Wafer Sizes up to 300mm
Cold Wall Chamber Technology
Pyrometer and Thermocouple Temperature Control
High Vacuum Capability (0.01mPa, 10 ⁻⁷ mbar)
Atmospheric and Vacuum Process Capability
Up to 6 Gas Lines with MFC's
Process Management Software with PC Control

Optional Features

Cassette-to-Cassette Module
Turbomolecular Pumping Unit
Pressure Controller
Heat Exchanger for Lamp Cooling Circuit

Warranty & Delivery

Warranty	1 Year Standard (2 Years Optional)
Time of Delivery	4 Months

INVAC SYSTEMS is a Global Supplier of Equipment, Spare Parts, Service, and Process for the Solar, Semiconductor, and MEMS Industries.



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