



TAIYO NIPPON SAN SO
The Gas Professionals

UR25K

**Ultimate GaN MOCVD system
for high quality mass production**

- Based on the quality and uniformity-proven reactor of the atmospheric pressured SR series
- Automated parts handling system for the highest productivity
- Lowest cost of ownership by high growth rate epitaxy
- Highest throughput with the lowest downtime with Cl₂ dry cleaning equipment

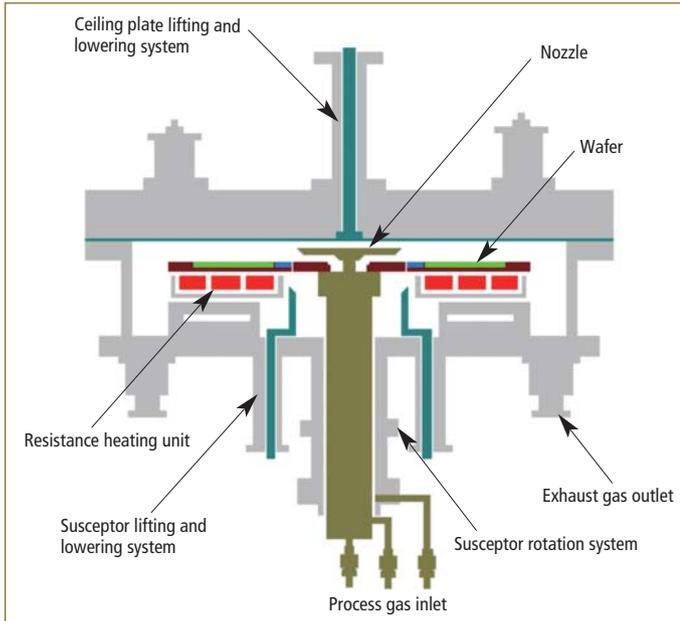
Specifications

Scale	4" x 11 or 6" x 7
Reactor type	Rotary susceptor and revolving wafer plate, face up
Material gas supply	Multilayered injector for laminar and radial flow
Heating system	Multi zone resistance heater
Transportation	Automating susceptor unit transportation

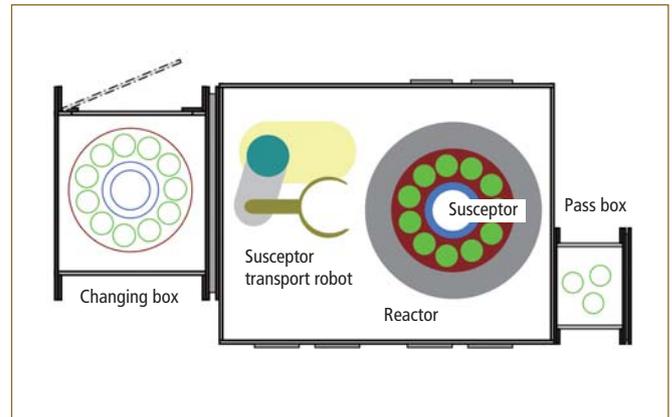


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Reactor



Transportation system



4" x 11 susceptor



6" x 7 susceptor



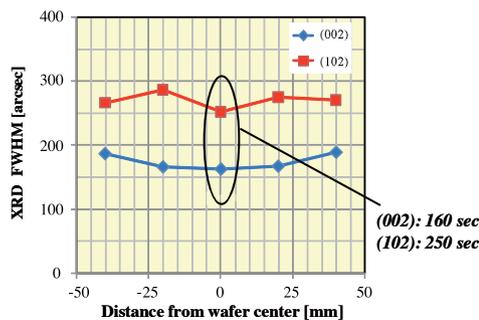
Reactor and transportation system



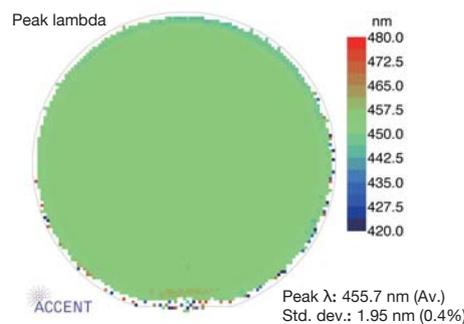
Transportation system (typical model)

Process data (at atmospheric pressure)

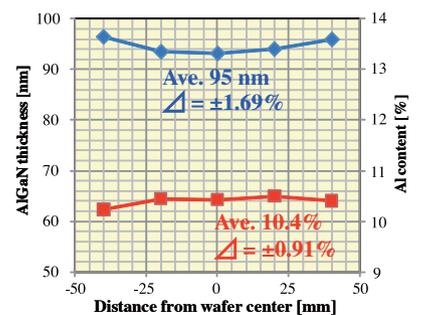
XRD FWHM of un-GaN



PL peak wavelength mapping of MQW sample



Thickness & Al comp. distribution of un-AlGaN



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<http://www.MOCVD.jp>

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