

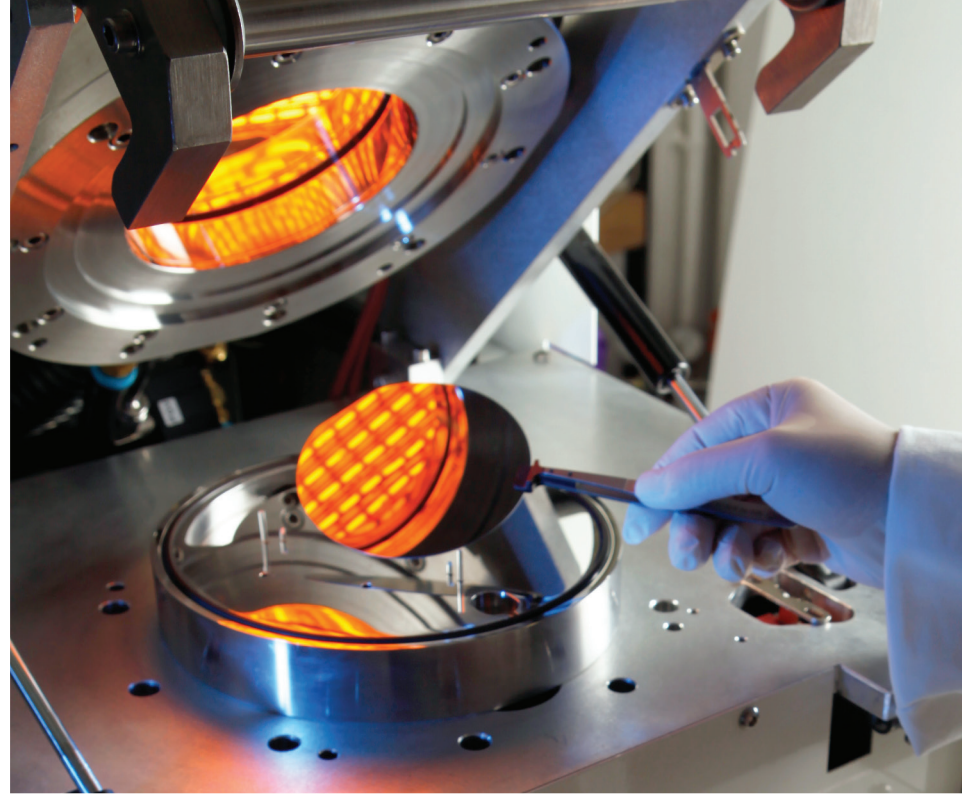


ECM

GREENTECH



4" 6" 8" 12"
R&D, Pilot or Mass Production



BATCH FURNACES

RTP / RTA

SIC CRYSTAL



TUBESTAR Up to 300mm wafers

R&D / Small Production
Horizontal Furnace

*Batch-type tube furnace
Diffusion, LPCVD and oxidation
1-4 independant tubes
Up to 100 wafers per tube
Ideal for process engineering
Small footprint
Manual or automatic loading*



AS-ONE

*Rapid thermal annealing (RTA)
Implant annealing
Ohmic contact annealing (III-V, SiC)
Rapid thermal oxidation (RTO)
Rapid thermal nitridation (RTN)
Selenization (CIGS solar cells)
RTCVD of graphene and hBN
Thermal annealing of polymers*



MEMSLAB Up to 300mm wafers

R&D / Small Production
PECVD Platform

*Batch-type PECVD furnace
Direct plasma, low RF
Pin mark free, uniform color
Horizontal wafer process
Up to 25 wafers per batch
Multiple layer deposition possible
In-situ cleaning*



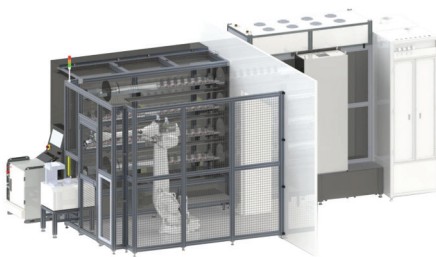
AS-PREMIUM

*Rapid thermal annealing (RTA)
Implant annealing
Contact annealing (III-V and SiC)
Rapid thermal oxidation (RTO)
Rapid thermal nitridation (RTN)
Annealing of piezoelectric & pyroelectric materials
Getter activation
Rapid thermal evaporation (RTE)
Selenization (CIGS solar cells)
Sol-gel densification & crystallization*

Cyberstar an ECM Greentech brand

SIC CRYSTAL GROWTH FURNACE & SIC BATCH WAFER PROCESSING SYSTEMS

*Temperatures up to 2000°C
Pressure control < +/-0.1 torr
Temperature control < +/-0.5°C
Fast heating and cool down*



DF-SERIES Up to 300mm wafers

Mass Production
Furnace

*Batch-type production furnace
Diffusion, LPCVD and oxidation
Up to 4 independant tubes
50 to 400 wafers per tube
Best in-class uniformity
Automatic loading*



JETFIRST

*Single-wafer RTA/RTP furnace
Atmospheric or vacuum treatment
Table-top or fully automatic
From sample pieces to 300mm
Gas introduction capability
Ideal for materials research*



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12+ RTP/RTA SYSTEMS AVAILABLE