

Precursor Vapor Delivery Systems

VaporGen™ i2000

www.cerestechnologies.com/en/our-products

The **VaporGen™** is a state-of-the-art, fully automated, standalone vapor generation and flow control system. The system is designed to interface with CVD production equipment to deliver vapor directly to the point of process.

VaporGen™ i2000 represents a product configuration that houses two patented SMR flash evaporators to generate and supply neat vapor from two different precursor chemical sources.

VaporGen™ is specifically designed to provide vapor on demand to multiple vapor mass flow control components, which in turn, deliver precise amounts of vapor to CVD reactors.

Why choose **VaporGen™** ?

- Neat vapor generator by flash evaporation
- One vapor source can feed multiple points of use
- High capacity, on demand, near tool vapor supply
- Instant MFC response for superior process control
- Combines two vapor delivery systems into one user-friendly software used in our full portfolio
- SEMI S2 compliant and QMS ISO9001-2018

Applications

The **VaporGen™** i2000 is ideal for sub fab or near tool vapor delivery. SMR flash evaporation supports multiple process MFCs, even multiple tools.

VaporGen™ systems are well-suited for processes with long process run times. Flash evaporation can be an alternative to direct liquid injection vaporization, which can only feed one point of use. **VaporGen™** features real-time liquid refill from ChemSource™ precursor delivery systems.



The **VaporGen™** i2000 with 2 SMRs and 4 Vapor MFCs

Features

- Patented SMR vapor generation and supply
- Steady state vapor supply for long process runs
- Hot Box temp control for all vapor plumbing
- On-board maintenance circuits for push gas, purge gas, vent and vacuum functions
- Safety-rated for flammables and pyrophorics