

# *Microwave Plasma CVD System*

## *Model SDS 5200/5250/6300/6350*

*(1.5kW & 5kW system for R&D)*

### Features

- Computerized recipe driven and Manual mode models
- Capable of Operating at High Power Density Plasma
- Equipped with motorized Heating Stage (@1.5kW) or Water Cooled Stage (@5kW)  
Water Cooled Metal Chamber with high vacuum integrity
- Pressure Operation Range: 10-200 Torr
- Multiple viewports for *In-situ process* monitoring and diagnostics, vacuum load-lock capable

### Applications

- ◆ High Power Densities Plasmas (Accelerated Growth Rate)
- ◆ Optical Grade, Highest Quality Micro-crystalline Diamond (2" diameter)
- ◆ Various Thermal Grade, High Growth Rate Microcrystalline Diamond (2" diameter)
- ◆ Single Crystal Diamond (High Growth Rate and Device Quality)



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