

Microwave Plasma CVD System

Model SDS6K

(6kW system for production)

Features

- Computer Controlled Recipe Driven Operation
- Capable of Operating in Low to High Power Density Plasma
- Unique Capabilities of Temperature Control at High Power Densities
- Water Cooled Stage & Chamber
- Clamshell lid with Easy Access for substrate placement and chamber cleaning
- Pressure Operation Range: 10-200 Torr
- Multi Diagnostic ports for *in-situ* monitoring and diagnostics

Applications

- ◆ High Power Density Plasma (Accelerated Growth Rate)
- ◆ Optical Grade, Highest Quality Micro-crystalline Diamond (2-3" diameter)
- ◆ Various Grade, High Growth Rate Micro-crystalline Diamond (2-4" diameter)
- ◆ Single Crystal Diamond (gem and device quality) (2")
- ◆ Nano and Ultra Nano-crystalline Diamond (2-4" diameter)



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