

TECHNICAL SPECIFICATIONS: Thermal CVD**Tube & Furnace**

- **120cm** long tube with **2' (50mm) OD** with water cooled end flanges
- **SiC** heater w/ Glass Wool Molding
- **1,400°C** Max Temp
- **3 zone furnace** (120x300x120mm)

Gas Supply

- Hydrogen (**H₂**)
- Methane (**CH₄**)
- Argon (**Ar**)
- Ammonia (**NH₃**)
- Acetylene (**C₂H₂**)
- Oxygen (**O₂**)
- Silane (**SiH₄**)

Vacuum & Pressure Control

- **1 Dry Pump** (300 liter/min)
- **Basic Pressure** <0.2 Pa (2.0E-3mbar)
- 1 Convection Gauge and 1 capacitance manometer
- Motor-Geared Throttle Valve for working pressure adjustments

Safety

- Build in interlocks