

CVD-handy®/tube



CVD-handy®/tube

PRODUCT INFORMATION

Low Pressure Chemical Vapor Deposition System (LPCVD) is similar to other types of CVD where gaseous species react on a solid surface or wafer. The LPCVD process has a quartz tube co-axially placed in tube furnace. The main advantages of LPCVD are the excellent uniformity of thickness and purity, simple handling, homogeneity of deposited layers and high reproducibility.

This "CVD-handy tube" series is a high temperature CVD system, most successfully applied in deposition of graphene, carbon nanotubes and nanowires (ZnO, GeO).

TECHNICAL SPECIFICATIONS

Ultimate Vacuum Pressure	≈ 10 ⁻⁶ Torr
Quartz Tube Diameter	
Max. Temperature	1100°C
Continuous Working Temperature	1050°C
Heating Area Length	
Temperature Control System	
Cooling	
	From one end of the quartz tube
Control	
Number of MFC's for different Gas Types	

If requested, our CVD-handy tube systems can be **combined with Inductively Coupled Plasma (ICP)**.

SOFTWARE

System operation by user-friendly software. It is not only the automation and control software but also coating management software which allows the user design his/her specific coating experiments, examine the process parameters used in the past, and use the recipes/coatings developed in the past without hustle.

Human and machine safeties are prime importance in the operations performed by the software. A graphical user interface will allow the user to see the status of the system during operation.

info@vaksis.com