



## VTS

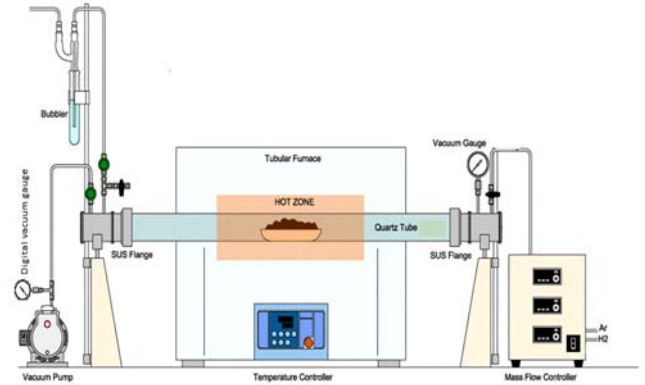
### Vacuum Thermal Solution

Introducing the VTS, a custom integrated Tube Furnace Solution by Rooks Vac. VTS is designed for customers heating their samples in a controlled atmosphere in different processes.

### Custom Tube Furnace Setup

Tube furnace is a popular & simple way for researchers to test their processes & applications on smaller samples before moving to a bigger scale. During the setup, the researcher can choose to control various parameters such as heating rate, vacuum level, gas flow rate, reaction time to achieve optimum setup.

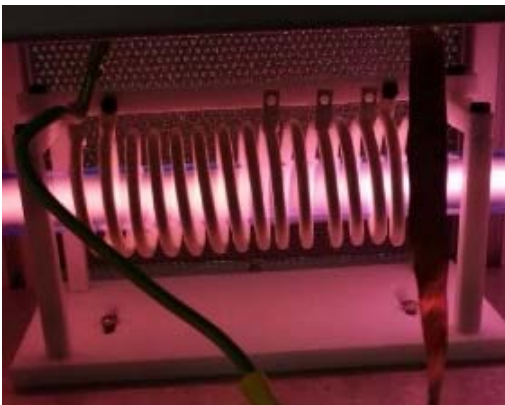
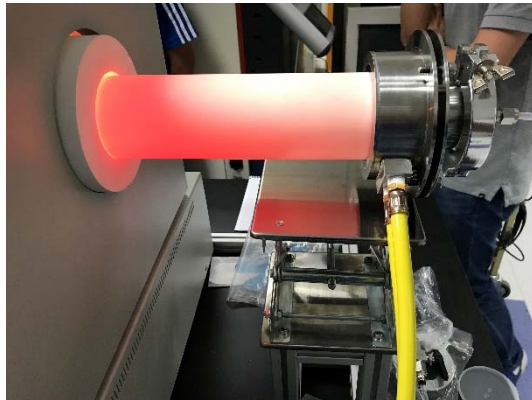
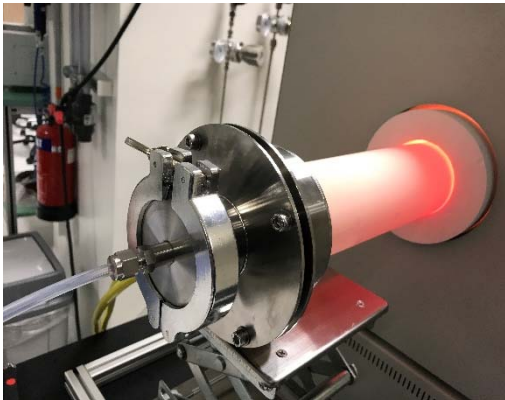
Using our expertise & knowledge in vacuum technologies, we have helped many R&D customers to setup different tube furnaces for their required processes



### Customer Processes

Processes that we have helped to complete using tube furnace setup.

- Vacuum Annealing
- Chemical Vapor Deposition
- Crystals/ Materials Growth
- Plasma CVD



### Different Components

Besides providing whole setup, we can supply below individual components for the setup as such:

- Tube Furnace
- Rotary vacuum pump
- Turbomolecular pump
- Vacuum Gauge
- Quartz tube (< 1000 deg C)
- Alumina Tube (> 1000 deg C)
- Mass Flow Controller
- Tube Adapters to KF/NW adaptor
- Water Cooled Adapters
- O-rings
- Blank flanges
- Nozzles
- Reducers
- Elbows
- Flexible pipelines
- Vacuum clamps
- Claw clamps
- O-rings and centering rings

