

Quartz Rod Heater

CreaTec designs and manufactures highly customized Quartz Rod Heaters. The equipment is designed for rapid heating avoiding contamination by resistive heaters. Only the sample region is heated. It can be used with any gases (i.e. Oxygen) and in abrasive atmospheres. Compared to laser applications no additional safety precautions are required.

Options

- Water cooling system
- Sample biasing
- Integrated main shutter
- Manipulator head with non magnetic material
- Motorized operation of z-axis and rotation including sensing
- Power supply for heating stage including PID controller devices, remote control and RS232 interface

TYPE	MA
SAMPLE HOLDER DESIGN	as specified
SAMPLE SIZE	as specified
HEATING SYSTEM	1 kW 2 kW infrared bulb
THERMOCOUPLE	type K type C type R
TEMPERATURE RANGE	up to 1000 °C
BAKE-OUT TEMPERATURE	200 °C
FLANGE SIZE	DN 63 CF 100 160 200
AXIS	up to 4 axis x, y: up to ± 25 mm z: up to 600 mm azimuthal rotation: continuous
MOUNTING ORIENTATION	vertical upside down
PRESSURE RANGE	ambient to 10 ⁻¹¹ mbar
UHV LENGTH	as specified

