

LASER HEATING

for UHV and HP applications



- The focusing system may be located:
 - outside the vacuum system
 - inside the vacuum system
- Working pressure: from UHV up to 1 bar
- Chamber spot adjustment system
- Sample can be heated from the top, bottom or side

DESCRIPTION

The **laser beam** is guided by **fiber optics** close to the sample holder. Temperature of the sample is controlled by close loop HEAT3-PS solution. Temperature measurement is provided by thermocouple or pyrometer.

TECHNICAL DATA

Wavelength	808 nm (+/- nm)
Fiber core diameter	400 μm
Fiber connector	SMA905
Fiber length	5 m
Max. power	350 W

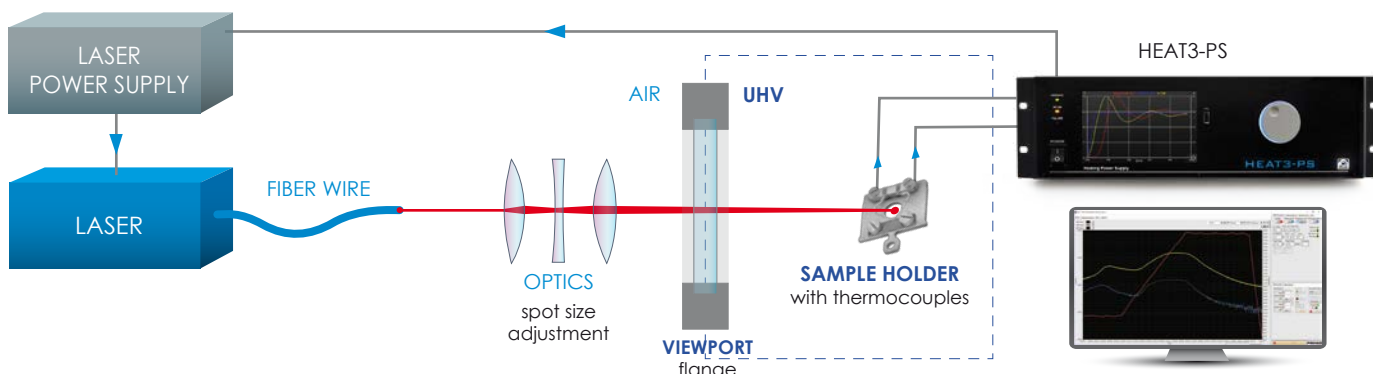
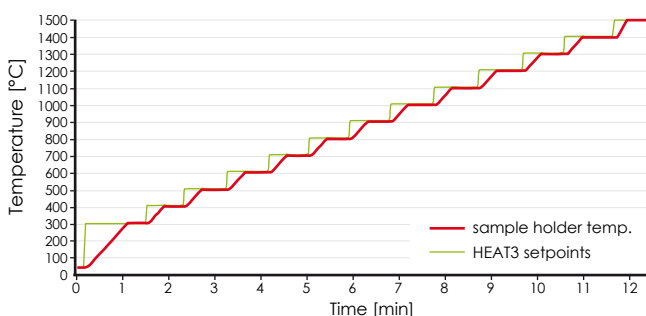
- APPLICATIONS**
- UHV spectroscopy systems
 - UHV deposition system
 - Ambient pressure spectroscopy systems (e.g. HPXPS)
 - Ambient pressure deposition systems (e.g. PLD)

DESCRIPTION

Compact size laser source for fast & effective sample heating with positioner. Source is powered and controlled by HEAT3-PS Power Supply.

TECHNICAL DATA

Wavelength	976 nm
Beam diameter	Ø 3 - 10 mm (adjustable)
Mounting flange	DN 40CF
Max. power	230 W



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