

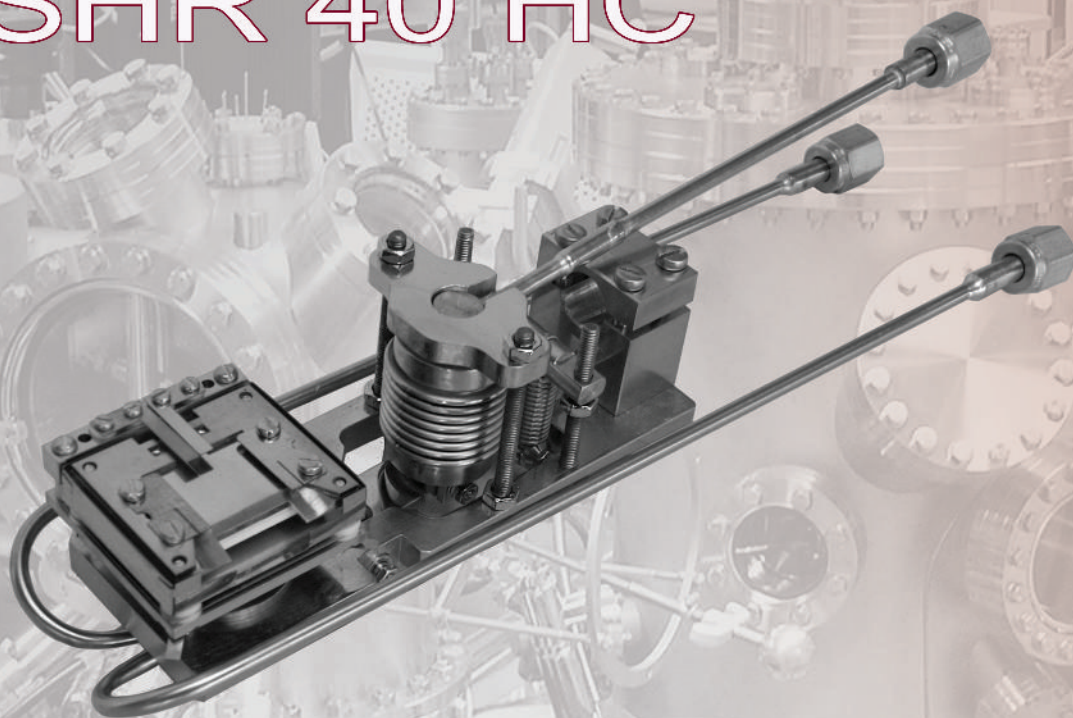


OmniVac

Surface Analysis and Vacuum Technology

Sample Holder Receiving Station with heating and cooling options

SHR 40 HC



■ for flag style sample holders

■ 2 thermocouples

■ heating up to 800 °C

■ mounted on CF 63 flange

■ fast cooling rates

■ continuous LN₂ cooling

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SHR 40 HC Sample Holder Receiving Station with cooling and heating options

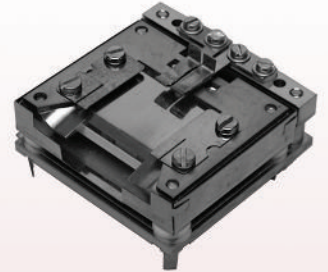
The SHR 40 HC stage is a medium size cooling/heating station for flag style sample holders (Omicron/Specs type).

Indirect resistive or e-beam heating allows for reaching sample temperatures of up to 800°C at heating rates of 5 K/s.

Cooling contact between the sample stage and the LN₂-reservoir can be switched on/off pneumatically.

The temperature can be monitored either on the sample holder via spring contacts or directly on the sample if special sample holders with adjustable thermo-contacts are used.

The stage is completely build up from non-magnetic materials. Mounted either on our HPM Mini XYZ manipulator or on one of our CF40 Z-retractors with or without tilt, the SHR 40 HC provides reliable position alignment of your samples.

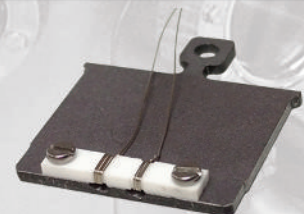


<i>Heating</i>	up to 800°C via indirect resistive heating or e-beam heating
<i>Cooling</i>	direct cooling of the sample holder stage on LN ₂ reservoir made from Cu
<i>Temperature measurement</i>	<ul style="list-style-type: none">• Thermocouple (Chromel/Alumel) on the sample stage• Thermocouple directly on sample contacting via spring contacts
<i>Electrical contacts</i>	<ul style="list-style-type: none">• 2 heating contacts• 4 thermocouple contacts• bias contact

- ▶ 2 thermocouples
- ▶ for flag style sample holders
- ▶ continuous LN₂ cooling
- ▶ heating up to 800°C
- ▶ mounted on CF 63 flange

Related products:

flag style sample holder series with/without thermocouple
HPM 100 manipulator series



flag style sample holder with integrated thermocouple



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